CANADIAN JOURNAL OF BIOCHEMISTRY, VOLUME 49

AUTHOR INDEX

Ackman, R. G.
Erythrocyte lipids of Atlantic cod, *Gadus morhua*. R. F. Addison and R. G. Ackman, 873.
The bottle-nosed dolphin *Tursiops truncatus*: fatty acid composition of milk triglycerides. R. G. Ackman, C. A. Eaton, and E. D. Mitchell, 1172.

Adams, G. A.
Structural investigations on a cell-wall lipopolysaccharide from *Neisseria sicca*. G. A. Adams, 243.

Adamson, E. D.
Purification and properties of γ-glutamyl cyclotransferase from pig liver. E. D. Adamson, A. Szewczuk, and G. E. Connell, 218.

Addison, R. F.
Erythrocyte lipids of Atlantic cod, *Gadus morhua*. R. F. Addison and R. G. Ackman, 873.

Aitken, E.
Effect of acriflavine and ethidium bromide on the synthesis of RNA of the peripheral nerve in the chick during development. C. Mezei, Y.-W. Hu, and E. Aitken, 463.

Alam, S. N.
N^6-(Δ^2-Isopentenyl)adenosine: Its conversion to inosine, catalyzed by adenosine aminohydrolases from chicken bone marrow and calf intestinal mucosa. R. H. Hall, S. N. Alam, B. D. McLennan, C. Terrine, and J. Guern, 623.

Aleem, M. I. H.
Electron transport and coupled energy generation in *Pseudomonas saccharophila*. M. Ishaque, A. Donawa, and M. I. H. Aleem, 1175.

Anderson, P. J.
The carboxy-terminal region of sturgeon muscle aldolase. P. J. Anderson, 372.

Andrews, D.
The reaction of hemoglobin with the complex formed from haptoglobin and hemoglobin α-subunits. N. D. Boyd, D. B. Smith, and D. Andrews, 891.

Arora, D. J. S.
Reversal of the interference by sucrose on protein determination by the biuret method. D. J. S. Arora, 139.
The influence of starvation on rat liver polysomes. D. J. S. Arora and G. de Lamirande, 1150.

Arsenault, G. P.
Improved methods for preparing pure gibberellins from cultures of *Gibberella fujikuroi*. Isolation by adsorption or partition chromatography on silicic acid and by partition chromatography on Sephadex columns. D. W. Pitel, L. C. Vining, and G. P. Arsenault, 185.
Biosynthesis of gibberellins in *Gibberella fujikuroi*. The sequence after gibberellin A_4. D. W. Pitel, G. P. Arsenault, and L. C. Vining, 1940.

Atkins, C. A.
Preparation of methyl derivatives of some organic acids for analysis by gas–liquid chromatography. C. A. Atkins and D. T. Canvin, 949.

Avery, M. D.
Cholesterol metabolism and vitamin B_6. IV. Synthesis of cholic acid conjugates in vitamin B_6-deficient rats. M. D. Avery and P. J. Lupien, 1026.

Avramovic-Zikic, O.
Kinetics of the reaction of *p*-chloromercuribenzoate with the sulfhydryl groups of glutathione, 2-mercaptoethanol, and phosphorylase *b*. B. B. Hasinoff, N. B. Madsen, and O. Avramovic-Zikic, 742.

Baer, E.
Synthesis of 2,3-diphosphono-DL-glyceric acid, a racemic analogue of 2,3-diphospho-D-glyceric acid, the cofactor of both phosphoglyceric acid mutase and hemoglobin. E. Baer and R. Robinson, 300.

Bailey, B. K.
Biosynthesis of furanochromones. P. G. Harrison, B. K. Bailey, and W. Steck, 964.

Bakri, M. A.
Destabilization of casein micelles by lysozyme. M. A. Bakri and F. H. Wolfe, 882.

Bär, H.-P.
Development of rat liver adenylcyclase. H.-P. Bär and P. Hahn, 85.

Barbeau, A.
Seizures in rats associated with divalent cation inhibition of Na^+-K^+-ATP'ase. J. Donaldson, T. St.-Pierre, J. Minnich, and A. Barbeau, 1217.

Barry, D. N.
Increased subcellular hyaluronidase in the rat after hydrocortisone injection. J. M. Bowness, N. Carpenter, and D. N. Barry, 12.

Barton, P. G.
Studies of dialkyl ether phospholipids. II. Requirement for a liquid-crystalline substrate for hydrolysis by cabbage leaf phospholipase D. J. Chen and P. G. Barton, 1362.

Beatty, B. G.
Recognition of 'early' and 'late' biosynthetic classes of ribosomal proteins in *Escherichia coli*. B. G. Beatty and J. T.-F. Wong, 1276.

Belleau, B.
Specific labelling of the curare binding sites of acetylcholinesterase and some properties of the modified enzyme. B. Belleau and V. DiTullio, 1131.

Bender, M. L.
Substituent effects on the chymotrypsin-catalyzed hydrolysis of specific ester substrates. R. E. Williams and M. L. Bender, 210.

Benoiton, N. L.
Resolution of ring-substituted phenylalanines by the action of α-chymotrypsin on their ethyl esters. J. H. Tong, C. Petitclerc, A. D'Iorio, and N. L. Benoiton, 877.
A modified synthesis of α-*N*-carbobenzoxy-L-lysine and the preparation and analysis of mixtures of ε-*N*-methyllysine. N. L. Benoiton, R. E. Demayo, G. J. Moore, and J. R. Coggins, 1292.

Berdanier, C. D.
Effect of repeated starvation on serum insulin level and the enzyme overshoot in liver. B. Szepesi, C. D. Berdanier, S. K. Diachenko, and P. B. Moser, 393.

Bezanson, G. S.
Studies on the biosynthesis of mitomycin C by *Streptomyces verticillatus*. G. S. Bezanson and L. C. Vining, 911.

Bharucha, A. D.
DNA polymerases of newborn rat brain and liver. A. D. Bharucha and M. R. V. Murthy, 978.
Subcellular distribution of DNA polymerase activity in newborn rat brain and liver. M. R. V. Murthy and A. D. Bharucha, 1285.

Bhatnagar, R. K.
Evaluation of methods for preparing proteins from plasma high density lipoproteins. H. S. Sodhi, R. K. Bhatnagar, and S. L. MacKenzie, 1076.

Bishay, E. S.
Alkaline and acid ribonucleases of kidney and spleen of nephrotic rats. D. M. Nicholls and E. S. Bishay, 535.

Blair, A. H.
Substrate characteristics of human liver aldehyde dehydrogenase. F. H. Bodley and A. H. Blair, 1.

Bleau, G.
Studies on mammalian and molluscan steroid sulfatase. Solubilization and properties. G. Bleau, A. Chapdelaine, and K. D. Roberts, 234.

Boch, R.
Synthesis of octadeca-*trans*-2,*cis*-9,*cis*-12-trienoic acid and its evaluation as a honey bee attractant. A. N. Starratt and R. Boch, 251.

Bodley, F. H.
Substrate characteristics of human liver aldehyde dehydrogenase. F. H. Bodley and A. H. Blair, 1.

Bohan, T. L.
The electron paramagnetic resonance spectrum at 77 °K of lyophilized and frozen solutions of horst heart ferricytochrome *c*. R. A. Morton and T. L. Bohan, 328.

Borders, C. L., Jr.
Chemical modification of human lysozyme. Acetylation and nitration of tyrosine. R. L. Fawcett, T. J. Limbird, S. L. Oliver, and C. L. Borders, Jr., 816.

Boulton, A. A.
The mass spectrometric identification of the isomers of tyramine: identification of para-tyramine in rat brain. A. A. Boulton and J. R. Majer, 993.

Boutet, A.
Localization of the basic aminopeptidases in *E. coli*. A. T. Matheson, L. P. Visentin, A. Boutet, and C. F. Rollin, 1340.

Bowness, J. M.
Increased subcellular hyaluronidase in the rat after hydrocortisone injection. J. M. Bowness, N. Carpenter, and D. N. Barry, 12.
Interaction of proteoglycans and chondroitin sulfates with calcium or phosphate ions. E. A. MacGregor and J. M. Bowness, 417.

Boyd, N. D.
Tetranitromethane as a nitrating reagent for tyrosine and tyrosine-containing peptides and proteins. N. D. Boyd and D. B. Smith, 154.
The reaction of hemoglobin with the complex formed from haptoglobin and hemoglobin α-subunits. N. D. Boyd, D. B. Smith, and D. Andrews, 891.

Brahmachary, R. L.
Further investigations on transcription and translation in *Limnaea* embryos. R. L. Brahmachary, S. R. Palchoudhury, and P. K. Tapaswi, 926.
Erratum: Further investigations on transcription and translation in *Limnaea* embryos. R. L. Brahmachary and S. R. Palchoudhury, 1398.

Bragg, P. D.
Effect of near-ultraviolet light on the respiratory chain by *Escherichia coli*. P. D. Bragg, 492.
Some properties of the succinate dehydrogenase of *Escherichia coli*. I. C. Kim and P. D. Bragg, 1098.

Brecher, A. S.
Ox brain aminopeptidases. Further purification of three bovine enzymes. R. E. Sobel and A. S. Brecher, 676.

Brosnan, J. T.
The oxidation of fatty-acyl derivatives by mitochondria from bovine fetal and calf hearts. J. T. Brosnan and I. B. Fritz, 1296.

Brossard, M.
Differential effects of growth hormone and hydrocortisone on nuclear RNA synthesis in rat liver. P. M. K. Ip and M. Brossard, 853.

Brown, F. C.
Cystathionine synthase from rat liver: partial purification and properties. F. C. Brown and P. H. Gordon, 484.

Brown, J. C.
A gastric inhibitory polypeptide. I. The amino acid composition and the tryptic peptides. J. C. Brown, 255.
A gastric inhibitory polypeptide. II. The complete amino acid sequence. J. C. Brown and J. R. Dryburgh, 867.

Brown, R. R.
Turnover of purine nucleotides in rabbit erythrocytes: lack of *in vivo* effect of the nucleoside transport inhibitor, *p*-nitrobenzyl-6-thioguanosine. R. R. Brown and A. R. P. Paterson, 1251.

Brown, S. A.
Comparison of (+)- and (−)-marmesin as intermediates in the biosynthesis of linear furanocoumarins. W. Steck and S. A. Brown, 1213.

Brunet, R.
Isolation of a basic protein antigen of low ragweed pollen. B. W. Griffiths and R. Brunet, 396.

Buchwald, B. M.
An immunoglobulin light chain of subgroup III of λ type with a free sulfhydryl group. B. M. Buchwald, 900.

Burton, A. F.
Erratum: Corticosteroid metabolism and liver glycogen in fetal and newborn mice. A. F. Burton, R. M. Greenall, and R. W. Turnell, 401.

Butler, L.
Acid phosphatase during development of the black carpet beetle, *Attagenus megatoma* (Fab.). J. Nath and L. Butler, 311.

Buttkus, H.
The sulfhydryl content of rabbit and trout myosins in relation to protein stability. H. Buttkus, 97.

Campbell, D. W.
Fragmentation of haptoglobin by plasmin. F. Ofosu, D. W. Campbell, and G. E. Connell, 90.

Campbell, L. D.
Sex hormone control mechanisms. II. Influence of estrogen and progesterone on the activities of key enzymes involved in the carbohydrate metabolism of chicken (*Gallus domesticus*) oviducts. L. D. Campbell, J. Y.-L. Yu, S. C. Stothers, and R. R. Marquardt, 201.
Sex hormone control mechanisms. I. Effects of estrogen and progesterone on major cellular components in chicken (*Gallus domesticus*) oviducts. J. Y.-L. Yu, L. D. Campbell, and R. R. Marquardt, 348.

Canvin, D. T.
preparation of methyl derivatives of some organic acids for analysis by gas–liquid chromatography. C. A. Atkins and D. T. Canvin, 949.

Carpenter, N.
Increased subcellular hyaluronidase in the rat after hydrocortisone injection. J. M. Bowness, N. Carpenter, and D. N. Barry, 12.

Cedergren, R. J.
The acylation of ribonucleotides with benzoic and acetic anhydrides in aqueous solutions. R. J. Cedergren, B. Larue, and P. Laporte, 730.

Cereijo-Santaló, R.
The enthalpy change of the hydrolysis of adenosine triphosphate by rat liver mitochondria. R. Cereijo-Santaló, 721.

Chalvardjian, A.
Erratum: Mode of action of choline. V. Sequential changes in hepatic and serum lipids of choline-deficient rats. A. Chalvardjian, 401.

Chan, M.-S.
Interpretation of nonhyperbolic behavior in enzymic systems. II. Quantitative characteristics of rate and binding functions. L. Endrenyi, M.-S. Chan, and J. T.-F. Wong, 581.

Chan, W. W.-C.
Separation and properties of isozymes of 3-deoxy-D-*arabino*-heptulosonate-7-phosphate synthetase from *Saccharomyces cerevisiae*. M. Takahashi and W. W.-C. Chan, 1015.

Chapdelaine, A.
Studies on mammalian and molluscan steroid sulfatase. Solubilization and properties. G. Bleau, A. Chapdelaine, and K. D. Roberts, 234.

Chaudhary, K. D.
Studies on mitochondria. I. Mitochondrial DNA in relation to morphological development of sarcosomes in thoracic muscles of the African desert locust (*Schistocerca gregaria* Forsk). R. Tanguay and K. D. Chaudhary, 357.

Cheah, A. M.
Modification of rat renal cortical chromatin by aldosterone treatment. D. Trachewsky and A. M. Cheah, 496.

Chen, J.
Studies of dialkyl ether phospholipids. II. Requirement for a liquid-crystalline substrate for hydrolysis by cabbage leaf phospholipase D. J. Chen and P. G. Barton, 1362.

Chen, W.
Interaction δ-chymotrypsin with proflavine. W. Chen and S. F. Russo, 28.

Cho, Y. D.
Biosynthesis of thermopsis alkaloids from carbon-14-dioxide. Evidence for the formation of the pyridone bases from lupanine via 5,6-dehydrolupanine. Y. D. Cho and R. O. Martin, 971.

Chow, A.
Occurrence of UDP-*N*-acetylglucosamine : glycoprotein *N*-acetylglucosaminyltransferase activity in human and rat sera. S. Mookerjea, A. Chow, and R. L. Hudgin, 297.

Choy, Y. M.
Metabolites of *Verticillium dahliae*: the isolation and structure elucidation of some disaccharides and a trisaccharide. Y. M. Choy and A. M. Unrau, 894.

Clark, A. F.
Steroid Δ^4-reductases of pig liver: partial purification of testosterone 5β-reductase. J. C. Nduaguba and A. F. Clark, 385.

Clement, G. E.
Sodium ion binding to pepsin and other proteins. G. E. Clement, A. Siegel, and R. Potter, 477.

Cluskey, J. E.
Some optical properties of *S*-β-(4-pyridylethyl)-L-cysteine and its wheat gluten and serum albumin derivatives. Y. V. Wu, J. E. Cluskey, L. H. Krull, and M. Friedman, 1042.

Coggins, J. R.
A modified synthesis of α-*N*-carbobenzoxy-L-lysine and the preparation and analysis of mixtures of ε-*N*-methyllyines. N. L. Benoiton, R. E. Demayo, G. J. Moore, and J. R. Coggins, 1292.

Connell, G. E.
Fragmentation of haptoglobin by plasmin. F. Ofosu, D. W. Campbell, and G. E. Connell, 90.
Purification and properties of γ-glutamyl cyclotransferase from pig liver. E. D. Adamson, A. Szewczuk, and G. E. Connell, 218.
Hemoglobin binding by enzymatic fragments of haptoglobin. F. Ofosu and G. E. Connell, 637.

Crabtree, G. W. C.
Pathways of purine ribonucleotide catabolism in Ehrlich ascites tumor cells *in vitro*. G. W. C. Crabtree and J. F. Henderson, 959.

Craigie, J. S.
Purification and characterization of cytochrome 553 from the chrysophycean alga *Monochrysis lutheri*. M. V. Laycock and J. S. Craigie, 641.

Crook, E. M.
Preparation and properties of solid-supported urease. P. V. Sundaram and E. M. Crook, 1388.

Cruickshank, W. H.
A diagonal paper electrophoretic method for the selective isolation of histidyl peptides. W. H. Cruickshank, T. M. Radhakrishnan, and H. Kaplan, 1225.

Dakshinamurti, K.
Acetyl-CoA holocarboxylase synthetase of rat adipose tissue. P. R. Desjardins and K. Dakshinamurti, 987.

Daniel, E. E.
Sodium–potassium stimulated adenosinetriphosphatase of vascular smooth muscle. M. W. Wolowyk, A. M. Kidwai, and E. E. Daniel, 376.

Davidson, J. B.
Biosynthesis of cardiolipin in mitochondria. J. B. Davidson and N. Z. Stanacev, 1117.

De Lamirande, G.
The influence of starvation on rat liver polysomes. D. J. S. Arora and G. de Lamirande, 1150.

Demayo, R. E.
A modified synthesis of α-*N*-carbobenzoxy-L-lysine and the preparation and analysis of mixtures of ε-*N*-methyllysines. N. L. Benoiton, R. E. Demayo, G. J. Moore, and J. R. Coggins, 1292.

Desai, I. D.
Regulation of lysosomal enzymes. II. Reversible adaptation of intestinal acid hydrolases during starvation and realimentation. I. D. Desai, 170.

Deschamps, Y.
The hepatic chalone. I. Assay method for the hormone and purification of the rabbit liver chalone. W. G. Verly, Y. Deschamps, J. Pushpathadam, and M. Desrosiers, 1376.

Desjardins, P. R.
Acetyl-CoA holocarboxylase synthetase of rat adipose tissue. P. R. Desjardins and K. Dakshinamurti, 987.

Deslauriers, R.
A proton magnetic resonance study of the molecular conformation of a modified nucleoside from transfer RNA. Dihydrouridine. R. Deslauriers, R. D. Lapper, and I. C. P. Smith, 1279.

Desrosiers, M.
The hepatic chalone. I. Assay method for the hormone and purification of the rabbit liver chalone. W. G. Verly, Y. Deschamps, J. Pushpathadam, and M. Desrosiers, 1376.

Diachenko, S. K.
Effect of repeated starvation on serum insulin level and the enzyme overshoot in liver. B. Szepesi, C. D. Berdanier, S. K. Diachenko, and P. B. Moser, 393.

Diller, R. F. B.
Aspartyl transfer ribonucleic acid synthetase from bakers' yeast. R. F. B. Diller and G. M. Tener, 822.

D'Iorio, A.
Resolution of ring-substituted phenylalanines by the action of α-chymotrypsin on their ethyl esters. J. H. Tong, C. Petitclerc, A. D'Iorio, and N. L. Benoiton, 877.

DiTullio, V.
Specific labelling of the curare binding sites of acetylcholinesterase and some properties of the modified enzyme. B. Belleau and V. DiTullio, 1131.

Dixon, J. W.
The reactivity of the N-terminal isoleucine of α-chymotrypsin as a function of ionic strength. A. Kurosky, J. E. S. Graham, J. W. Dixon, and T. Hofmann, 529.

Dhalla, N. S.
Biochemical alterations in the skeletal muscle of vitamin E deficient rats. N. S. Dhalla, M. Fedelesova, and I. Toffler, 1202.

Dickson, R. C.
Platelet aggregation: induction by means of a complex between endotoxin and copper (Cu^{2+}). A. F. Lewis and R. C. Dickson, 1236.

Donaldson, J.
Seizures in rats associated with divalent cation inhibition of Na^+-K^+-ATP'ase. J. Donaldson, T. St.-Pierre, J. Minnich, and A. Barbeau, 1217.

Donaldson, W. E.
Synthesis of unsaturated fatty acids in chick embryo liver. W. E. Donaldson and N. S. Mueller, 563.

Donawa, A.
Electron transport and coupled energy generation in *Pseudomonas saccharophila*. M. Ishaque, A. Donawa, and M. I. H. Aleem, 1175.

Dryburgh, J. R.
A gastric inhibitory polypeptide. II. The complete amino acid sequence. J. C. Brown and J. R. Dryburgh, 867.

Dunford, H. B.
The effect of ligand binding on the optical rotatory dispersion of lactoperoxidase. R. J. Maguire and H. B. Dunford, 666.
The kinetics of the formation of the primary lactoperoxidase – hydrogen peroxide compound. R. J. Maguire and H. B. Dunford, 1165.

DuVall, C. H.
In vitro induction of tyrosine aminotransferase in liver slices by hydrocortisone. J. P. Liberti, C. H. DuVall, and D. M. Wood, 1357.

Dvornik, D.
Agents affecting lipid metabolism. XL. Effect of ethyl chlorophenoxyisobutyrate on liver lipids and serum lipoproteins in rats. P. Hill and D. Dvornik, 903.

Eagon, R. G.
2-Deoxyglucose transportation via passive diffusion and its oxidation, not phosphorylation, to 2-deoxygluconic acid by *Pseudomonas aeruginosa*. R. G. Eagon, 606.
Kinetics of transport of glucose, fructose, and mannitol by *Pseudomonas aeruginosa*. R. G. Eagon and P. V. Phibbs, Jr., 1031.

Eaton, C. A.
The bottle-nosed dolphin *Tursiops truncatus*: fatty acid composition of milk triglycerides. R. G. Ackman, C. A. Eaton, and E. D. Mitchell, 1172.

Endrenyi, L.
Interpretation of nonhyperbolic behavior in enzymic systems. I. Differentiation of model mechanisms. J. T.-F. Wong and L. Endrenyi, 568.
Interpretation of nonhyperbolic behavior in enzymic systems. II. Quantitative characteristics of rate and binding functions. L. Endrenyi, M.-S. Chan, and J. T.-F. Wong, 581.

Epand, R. M.
Studies on the conformation of glucagon. R. M. Epand, 166.

Evans, M. A.
Immunotolerance to insulin and Freund's adjuvant. P. J. Maloney and M. A. Evans, 865.

Farber, E.
Partial characterization and cellular localization of two deoxyribonucleases in the small intestine of the rat. M. W. Lieberman, R. J. Sullivan, K. H. Shull, H. Liang, and E. Farber, 38.

Fawcett, R. L.
Chemical modification of human lysozyme. Acetylation and nitration of tyrosine. R. L. Fawcett, T. J. Limbird, S. L. Oliver, and C. L. Borders, Jr., 816.

Fazekas, A. G.
The *in vivo* effect of adrenocorticotropin on the biosynthesis of flavin nucleotides in rat liver and kidney. A. G. Fazekas and T. Sandor, 989.

Fedelesova, M.
Biochemical alterations in the skeletal muscle of vitamin E deficient rats. N. S. Dhalla, M. Fedelesova, and I. Toffler, 1202.

Feuer, G.
Metabolism of coumarin and 4-methylcoumarin by rat-liver microsomes. P. A. Gibbs, K. Janakidevi, and G. Feuer, 177.

Fletcher, R.
Interaction of [4-^{14}C]estradiol and its metabolites with polynucleotides in the presence of peroxidase. P. H. Jellinck and R. Fletcher, 885.

Flynn, T. G.
Purification and properties of phosphoglyceromutase from sheep muscle. E. James, R. O. Hurst, and T. G. Flynn, 1183.

Forest, J. C.
Metabolism of amino acids in plants. I. Changes in the soluble amino acid fractions of bushbean seedlings (*Phaseolus vulgaris* L.) and the development of transaminase activity. J. C. Forest and F. Wightman, 709.

Franklin, J. G.
Some enzymatic properties of trypsin after reaction with 1-dimethylaminonaphthalene-5-sulfonyl chloride. J. G. Franklin and J. Leslie, 516.

Fraser, I. H.
Studies on porcine haptoglobin and its complex with human hemoglobin. I. H. Fraser and D. B. Smith, 141.

Freedland, R. A.
Time course of enzyme adaptation. III. Periodic and nonperiodic responses of rat liver enzyme activities to diets in meal-fed rats. B. Szepesi and R. A. Freedland, 108.

Friedman, M.
Some optical properties of *S*-β-(4-pyridylethyl)-L-cysteine and its wheat gluten and serum albumin derivatives. Y. V. Wu, J. E. Cluskey, L. H. Krull, and M. Friedman, 1042.

Fritz, I. B.
Hepatic ketogenesis during development. L. P. K. Lee and I. B. Fritz, 599.
Studies on spermatogenesis in rats. I. Application of the sedimentation velocity technique to an investigation of spermatogenesis. V. L. W. Go, R. G. Vernon, and I. B. Fritz, 753.
Studies on spermatogenesis in rats. II. Evidence that carnitine acetyltransferase is a marker enzyme for the investigation of germ cell differentiation. R. G. Vernon, V. L. W. Go, and I. B. Fritz, 761.
Studies on spermatogenesis in rats. III. Effects of hormonal treatment on differentiation kinetics of the spermatogenic cycle in regressed hypophysectomized rats. V. L. W. Go, R. G. Vernon, and I. B. Fritz, 768.
Properties of a purified carnitine palmitoyltransferase, and evidence for the existence of other carnitine acyltransferases. B. Kopec and I. B. Fritz, 941.
The oxidation of fatty-acyl derivatives by mitochondria from bovine fetal and calf hearts. J. T. Brosnan and I. B. Fritz, 1296.

Froese, A.
Isolation of dinitrophenyl-specific antibodies from bovine colostrum. A. Froese, 522.

Gailis, L.
The effect of ethanol and acetaldehyde on the metabolism and vascular resistance of the perfused heart. L. Gailis and M. Verdy, 227.

Gardner, L.
Deoxyribonucleic acid polymerase from immature testes of salmon. H. L. A. Tarr and L. Gardner, 19.

Gear, J. R.
The biosynthesis of chelidonic acid. M. J. Malcolm and J. R. Gear, 412.

Gersten, N. B.
Adenine as substrate for purine nucleoside phosphorylase. T. P. Zimmerman, N. B. Gersten, A. F. Ross, and R. P. Miech, 1050.

Ghosh, M.
Studies on the metabolism of nuclear basic proteins after radiation *in vitro*. M. Ghosh, 456.

Gibbs, P. A.
Metabolism of coumarin and 4-methylcoumarin by rat-liver microsomes. P. A. Gibbs, K. Janakidevi, and G. Feuer, 177.

Giroud, C. J. P.
Influence of gonads on the sulfurylation of 11-deoxycorticosterone and corticosterone by rat liver cytosol. J. S. Torday, G. P. Klein, and C. J. P. Giroud, 437.
Erratum: Influence of gonads on the sulfurylation of 11-deoxycorticosterone and corticosterone by rat liver cytosol. J. S. Torday, G. P. Klein, and C. J. P. Giroud, 863.
Activity of human placental sulfatase and 11β-hydroxysteroid dehydrogenase with respect to steroids of the pregn-4-ene C-21-yl sulfate series. C. St.-G. Hall and C. J. P. Giroud, 1384.

Go, V. L. W.
Studies on spermatogenesis in rats. I. Application of the sedimentation velocity technique to an investigation of spermatogenesis V. L. W. Go, R. G. Vernon, and I. B. Fritz, 753.
Studies on spermatogenesis in rats. II. Evidence that carnitine acetyltransferase is a marker enzyme for the investigation of germ cell differentiation. R. G. Vernon, V. L. W. Go, and I. B. Fritz, 761.
Studies on spermatogenesis in rats. III. Effects of hormonal treatment on differentiation kinetics of the spermatogenic cycle in regressed hypophysectomized rats. V. L. W. Go, R. G. Vernon, and I. B. Fritz, 768.

Goldsack, D. E.
Pressure jump studies of proteins. I. Isomerization of bovine serum albumin at neutral pH. D. E. Goldsack and P. M. Waern, 1267.

Gordon, P. H.
Cystathionine synthase from rat liver: partial purification and properties. F. C. Brown and P. H. Gordon, 484.

Gornall, D. A.
Resolution of egg yolk lipoproteins by chromatography on thin layers of hydroxylapatite. D. A. Gornall and A. Kuksis, 44.
Molecular species of glycerophosphatides and triglycerides of egg yolk lipoproteins. D. A. Gornall and A. Kuksis, 51.
N-Acetylglucosaminyltransferase activity in liver, serum, and ovaries of domestic fowl. D. A. Gornall, A. Kuksis, L. Pinteric, and S. Mookerjea, 671.

Graham, J. E. S.
The reactivity of the N-terminal isoleucine of α-chymotrypsin as a function of ionic strength. A. Kurosky, J. E. S. Graham, J. W. Dixon, and T. Hofmann, 529.

Grant, D. R.
The formation of homoserine from methionine in germinating peas. D. R. Grant and E Voelkert, 795.

Greenall, R. M.
Erratum: Corticosteroid metabolism and liver glycogen in fetal and newborn mice. A. F. Burton, R. M. Greenall, and R. W. Turnell, 401.

Griffiths, B. W.
Isolation of a basic protein antigen of low ragweed pollen. B. W. Griffiths and R. Brunet, 396.

Guern, J.
N^6-(Δ^2-Isopentenyl)adenosine: Its conversion to inosine, catalyzed by adenosine aminohydrolases from chicken bone marrow and calf intestinal mucosa. R. H. Hall, S. N. Alam, B. D. McLennan, C. Terrine, and J. Guern, 623.

Gurd, J. W.
The energy metabolism of Novikoff ascites hepatoma cells. I. The effects of glucose on the intracellular level of adenine nucleotides. J. W. Gurd and P. G. Scholefield, 686.

Gwilliam, C.
The metabolism and conjugation of 15α-hydroxylated phenolic steroids by the rabbit. A. Polakova, C. Gwilliam, G. A. Quamme, D. G. Williamson, and D. S. Layne, 368.

Hahn, P.
Development of rat liver adenylcyclase. H.-P. Bär and P. Hahn, 85.

Hall, C. St.-G.
Activity of human placental sulfatase and 11β-hydroxysteroid dehydrogenase with respect to steroids of the pregn-4-ene C-21-yl sulfate series. C. St.-G. Hall and C. J. P. Giroud, 1384.

Hall, R. H.
N^6-(Δ^2-Isopentenyl)adenosine: Its conversion to inosine, catalyzed by adenosine aminohydrolases from chicken bone marrow and calf intestinal mucosa. R. H. Hall, S. N. Alam, B. D. McLennan, C. Terrine, and J. Guern, 623.

Halperin, M. L.
Fatty acid synthesis from pyruvate in white adipose tissue: the effect of norepinephrine. M. L. Halperin, 736.

Harrison, P. G.
Biosynthesis of furanochromones. P. G. Harrison, B. K. Bailey, and W. Steck, 964.

Hasinoff, B. B.
Kinetics of the reaction of *p*-chloromercuribenzoate with the sulfhydryl groups of glutathione, 2-mercaptoethanol, and phosphorylase *b*. B. B. Hasinoff, N. B. Madsen, and O. Avramovic-Zikic, 742.

Hemphill, D., Jr.
The effects of sodium bisulfite, manganous chloride, and 2,4-dichlorophenol on peroxidase-catalyzed oxidation of indole-3-acetaldehyde. R. Yeh, D. Hemphill, Jr., and H. M. Sell, 162.

Henderson, J.
Autooxidation of actomyosin. A. L. Jacobson and J. Henderson, 1264.

Henderson, J. F.
Pathways of purine ribonucleotide catabolism in Ehrlich ascites tumor cells *in vitro*. G. W. C. Crabtree and J. F. Henderson, 959.

Herman, R. H.
Effect of L-histidine on human and rat jejunal pyruvate kinase activity. F. B. Stifel and R. H. Herman, 1105.

Hey, W. C.
A factor capable of dissociating rat liver ribosomes. G. R. Lawford, J. Kaiser, and W. C. Hey, 1301.

Hidiroglou, M.
Comparative uptake of selenium by low cystine and high cystine proteins. K. J. Jenkins and M. Hidiroglou, 468.

Hill, P.
Agents affecting lipid metabolism. XL. Effect of ethyl chlorophenoxyisobutyrate on liver lipids and serum lipoproteins in rats. P. Hill and D. Dvornik, 903.

Hill, R. D.
Coupling factor for photophosphorylation in bean etioplasts and chloroplasts. A. Horak and R. D. Hill, 207.

Himms-Hagen, J.
Changes in the amount and properties of adenyl cyclase in brown adipose tissue during acclimation of rats to cold. M. Muirhead and J. Himms-Hagen, 802.

Hinse, C. M.
Cholesterol metabolism and vitamin B_6. III. The stimulation of hepatic cholesterogenesis in the vitamin B_6-deficient rat. C. M. Hinse and P. J. Lupien, 933.

Hofmann, T.
The reactivity of the N-terminal isoleucine of α-chymotrypsin as a function of ionic strength. A Kurosky, J. E. S. Graham, J. W. Dixon, and T. Hofmann, 529.
The specificity of penicillopepsin. G. Mains, Miho Takahashi, J. Šodek, and T. Hofmann, 1134.

Holland, P.
Effects of X-irradiation on the various enzymic functions of $NADP^+$-linked isocitrate dehydrogenase. P. Holland and C. Little, 510.

Holub, B. J.
Interrelationships in the metabolism of liver arachidonoyllecithins and plasma cholesteryl arachidonate in the rat. B. J. Holub and A. Kuksis, 1005.
Structural and metabolic interrelationships among glycerophosphatides of rat liver *in vivo*. B. J. Holub and A. Kuksis, 1347.

Horak, A.
Coupling factor for photophosphorylation in bean etioplasts and chloroplasts. A. Horak and R. D. Hill, 207.

Howells, G. A.
The isolation and identification of androstenediol sulfate from spermatic vein blood and testes of the boar. J. I. Raeside and G. A. Howells, 80.

Hsia, J.-C.
A spin label study of the influence of cholesterol on phospholipid multibilayer structures. J.-C. Hsia, H. Schneider, and I. C. P. Smith, 614.

Hu, Y.-W.
RNA synthesis in peripheral nerve in the chick during development. Y.-W. Hu and C. Mezei, 320.
Effect of acriflavine and ethidium bromide on the synthesis of RNA of the peripheral nerve in the chick during development. C. Mezei, Y.-W. Hu, and E. Aitken, 463.

Huber, R. E.
The purification and some properties of soluble trehalase and sucrase from *Drosophila melanogaster*. R. E. Huber and Y. A. Lefebvre, 1155.

Hudgin, R. L.
The use of nucleotide-sugar : glycoprotein glycosyltransferases to assess Golgi apparatus function in Morris hepatomas. R. L. Hudgin, R. K. Murray, L. Pinteric, H. P. Morris, and H. Schachter, 61.
Occurrence of UDP-*N*-acetylglucosamine : glycoprotein *N*-acetylglucosaminyltransferase activity in human and rat sera. S. Mookerjea, A. Chow, and R. L. Hudgin, 297.
Porcine sugar nucleotide : glycoprotein glycosyltransferase. I. Blood serum and liver sialyltransferase. R. L. Hudgin and H. Schachter, 829.
Porcine sugar nucleotide : glycoprotein glycosyltransferases. II. Blood serum and liver galactosyltransferase. R. L. Hudgin and H. Schachter, 838.
Porcine sugar nucleotide : glycoprotein glycosyltransferases. III. Blood serum and liver *N*-acetylglucosaminyltransferase. R. L. Hudgin and H. Schachter, 847.

Hudson, J. B.
The fixation and retention of viral and mammalian deoxyribonucleic acids on nitrocellulose filters. J. B. Hudson, 631.

Hurst, R. O.
Purification and properties of phosphoglyceromutase from sheep muscle. E. James, R. O. Hurst, and T. G. Flynn, 1183.

Igarashi, S. J.
Specific interaction of tRNA 3′-terminal nucleotidyl transferase with polynucleates. S. J. Igarashi and J. I. McCalla, 1307.

Ip, P. M. K.
Differential effects of growth hormone and hydrocortisone on nuclear RNA synthesis in rat liver. P. M. K. Ip and M. Brossard, 853.

Ishaque, M.
Electron transport and coupled energy generation in *Pseudomonas saccharophila*. M. Ishaque, A. Donawa, and M. I. H. Aleem, 1175.

Jacobson, A. L.
Autooxidation of actomyosin. A. L. Jacobson and J. Henderson, 1264.

James, E.
Purification and properties of phosphoglyceromutase from sheep muscle. E. James, R. O. Hurst, and T. G. Flynn, 1183.

Janakidevi, K.
Metabolism of coumarin and 4-methylcoumarin by rat-liver microsomes. P. A. Gibbs, K. Janakidevi, and G. Feuer, 177.

Jellinck, P. H.
Interaction of [4-^{14}C]estradiol and its metabolites with polynucleotides in the presence of peroxidase. P. H. Jellinck and R. Fletcher, 885.

Jenkins, K. J.
Comparative uptake of selenium by low cystine and high cystine proteins. K. J. Jenkins and M. Hidiroglou, 468.

Johnson, P.
The disulfide bridge sequences of a serine protease of wide specificity from *Streptomyces griseus*. P. Johnson and L. B. Smillie, 548.
The amino acid sequence of *Streptomyces griseus* Protease A: the peptic peptides. P. Johnson and L. B. Smillie, 1083.
An improved fractionation system for pronase on CM-Sephadex. L. Jurášek, P. Johnson, R. W. Olafson, and L. B. Smillie, 1195.

Jones, H. A.
Optical rotatory dispersion and circular dichroism studies on ocular lens proteins. H. A. Jones and S. Lerman, 426.

Joo, C. N.
Synthesis of diphytanyl ether analogues of phosphatidic acid and cytidine diphosphate diglyceride. M. K. Kates, C. E. Park, B. Palameta, and C. N. Joo, 275.

Joy, K. W.
Glutamate dehydrogenase from pea roots: purification and properties of the enzyme. E. Pahlich and K. W. Joy, 127.

Jurášek, L.
An improved fractionation system for pronase on CM-Sephadex. L. Jurášek, P. Johnson, R. W. Olafson, and L. B. Smillie, 1195.

Kaiser, J.
A factor capable of dissociating rat liver ribosomes. G. R. Lawford, J. Kaiser, and W. C. Hey, 1301.

Kaplan, H.
A diagonal paper electrophoretic method for the selective isolation of histidyl peptides. W. H. Cruickshank, T. M. Radhakrishnan, and H. Kaplan, 1225.

Kaplan, J. G.
Aggregation states of a regulatory enzyme complex catalyzing the early steps of pyrimidine biosynthesis in bakers' yeast. P. F. Lue and J. G. Kaplan, 403.

Kates, M. K.
Synthesis of diphytanyl ether analogues of phosphatidic acid and cytidine diphosphate diglyceride. M. K. Kates, C. E. Park, B. Palameta, and C. N. Joo, 275.

Kates, M.
Inhibition of fatty acid synthetase in *Halobacterium cutirubrum* and *Escherichia coli* by high salt concentrations. E. L. Pugh, M. K. Wassef, and M. Kates, 953.

Kidwai, A. M.
Sodium–potassium stimulated adenosinetriphosphatase of vascular smooth muscle. M. W. Wolowyk, A. M. Kidwai, and E. E. Daniel, 376.

Kim, I. C.
Some properties of the succinate dehydrogenase of *Escherichia coli*. I. C. Kim and P. D. Bragg, 1098.

Klein, G. P.
Influence of gonads on the sulfurylation of 11-deoxycorticosterone and corticosterone by rat liver cytosol. J. S. Torday, G. P. Klein, and C. J. P. Giroud, 437.
Erratum: Influence of gonads on the sulfurylation of 11-deoxycorticosterone and corticosterone by rat liver cytosol. J. S. Torday, G. P. Klein, and C. J. P. Giroud, 863.

Kopec, B.
Properties of a purified carnitine palmitoyltransferase, and evidence for the existence of other carnitine acyltransferases. B. Kopec and I. B. Fritz, 941.

Krull, L. H.
Some optical properties of *S*-β-(4-pyridylethyl)-L-cysteine and its wheat gluten and serum albumin derivatives. Y. V. Wu, J. E. Cluskey, L. H. Krull, and M. Friedman, 1042.

Kuksis, A.
Resolution of egg yolk lipoproteins by chromatography on thin layers of hydroxylapatite. D. A. Gornall and A. Kuksis, 44.
Molecular species of glycerophosphatides and triglycerides of egg yolk lipoproteins. D. A. Gornall and A. Kuksis, 51.
N-Acetylglucosaminyltransferase activity in liver, serum, and ovaries of domestic fowl. D. A. Gornall, A. Kuksis, L. Pinteric, and S. Mookerjea, 671.
Interrelationships in the metabolism of liver arachidonoyllecithins and plasma cholesteryl arachidonate in the rat. B. J. Holub and A. Kuksis, 1005.
Gas–liquid chromatographic fractionation of natural diglycerides on organosilicone-polyester liquid phases. A. Kuksis, 1245.
Structural and metabolic interrelationships among glycerophosphatides of rat liver *in vivo*. B. J. Holub and A. Kuksis, 1347.

Kurosky, A.
The reactivity of the N-terminal isoleucine of α-chymotrypsin as a function of ionic strength. A. Kurosky, J. E. S. Graham, J. W. Dixon, and T. Hofmann, 529.

LaBella, F. S.
Fluorescent substances in protein hydrolysates. II. Comparison of some protein and peptide hydrolysates. M. Ledvina and F. S. LaBella, 6.

Landman, A.
The isolation of chymotrypsin-like enzymes by affinity chromatography using Sepharose–4-phenylbutylamine. K. J. Stevenson and A. Landman, 119.

Lane, B. G.
The sequence distribution of $O^{2'}$-methylribose in yeast ribosomal RNA. R. Y. Lau and B. G. Lane, 431.

Laporte, P.
The acylation of ribonucleotides with benzoic and acetic anhydrides in aqueous solutions. R. J. Cedergren, B. Larue, and P. Laporte, 730.

Lapper, R. D.
A proton magnetic resonance study of the molecular conformation of a modified nucleoside from transfer RNA. Dihydrouridine. R. Deslauriers, R. D. Lapper, and I. C. P. Smith, 1279.

Larue, B.
The acylation of ribonucleotides with benzoic and acetic anhydrides in aqueous solutions. R. J. Cedergren, B. Larue, and P. Laporte, 730.

Lau, R. Y.
The sequence distribution of $O^{2'}$-methylribose in yeast ribosomal RNA. R. Y. Lau and B. G. Lane, 431.

Lawford, G. R.
A factor capable of dissociating rat liver ribosomes. G. R. Lawford, J. Kaiser, and W. C. Hey, 1301.

Laycock, M. V.
Purification and characterization of cytochrome 553 from the chrysophycean alga *Monochrysis lutheri*. M. V. Laycock and J. S. Craigie, 641.

Layne, D. S.
The metabolism and conjugation of 15α-hydroxylated phenolic steroids by the rabbit. A. Polakova, C. Gwilliam, G. A. Quamme, D. G. Williamson, and D. S. Layne, 368.

Ledvina, M.
Fluorescent substances in protein hydrolysates. II. Comparison of some protein and peptide hydrolysates. M. Ledvina and F. S. LaBella, 6.

Lee, L. P. K.
Hepatic ketogenesis during development. L. P. K. Lee and I. B. Fritz, 599.

Lefebvre, Y. A.
The purification and some properties of soluble trehalase and sucrase from *Drosophila melanogaster*. R. E. Huber and Y. A. Lefebvre, 1155.

Lerman, S.
Optical rotatory dispersion and circular dichroism studies on ocular lens proteins. H. A. Jones and S. Lerman, 426.

Leslie, J.
Some enzymatic properties of trypsin after reaction with 1-dimethylaminonaphthalene-5-sulfonyl chloride. J. G. Franklin and J. Leslie, 516.

Lewis, A. F.
Platelet aggregation: induction by means of a complex between endotoxin and copper (Cu^{2+}). A. F. Lewis and R. C. Dickson, 1236.

Liang, H.
Partial characterization and cellular localization of two deoxyribonucleases in the small intestine of the rat. M. W. Lieberman, R. J. Sullivan, K. H. Shull, H. Liang, and E. Farber, 38.

Liberti, J. P.
In vitro induction of tyrosine aminotransferase in liver slices by hydrocortisone. J. P. Liberti, C. H. DuVall, and D. M. Wood, 1357.

Lieberman, M. W.
Partial characterization and cellular localization of two deoxyribonucleases in the small intestine of the rat. M. W. Lieberman, R. J. Sullivan, K. H. Shull, H. Liang, and E. Farber, 38.

Limbird, T. J.
Chemical modification of human lysozyme. Acetylation and nitration of tyrosine. R. L. Fawcett, T. J. Limbird, S. L. Oliver, and C. L. Borders, Jr., 816.

Little, C.
Effects of X-irradiation on the various enzymic functions of $NADP^+$-linked isocitrate dehydrogenase. P. Holland and C. Little, 510.

Liu, T. H.
Studies on plasminogen. IX. Purification of human plasminogen from Cohn fraction III by affinity chromatography. T. H. Liu and E. T. Mertz, 1055.

Lockhart, W. L.
Effect of maleylation and amidination of hemoglobin on its haptoglobin and oxygen reactions. W. L. Lockhart and D. B. Smith, 148.

Lowe, D. A.
Regulation of chloramphenicol synthesis in *Streptomyces* Sp.3022a. 3-Deoxy-D-*arabino*-heptulosonate 7-phosphate synthetase. D. A. Lowe and D. W. S. Westlake, 448.

Lue, P. F.
Aggregation states of a regulatory enzyme complex catalyzing the early steps of pyrimidine biosynthesis in bakers' yeast. P. F. Lue and J. G. Kaplan, 403.

Lundgren, D. G.
The sulfite oxidase of *Thiobacillus ferrooxidans* (*Ferrobacillus ferrooxidans*). J. R. Vestal and D. G. Lundgren, 1125.

Lupien, P. J.
Cholesterol metabolism and vitamin B_6. III. The stimulation of hepatic cholesterogenesis in the vitamin B_6-deficient rat. C. M. Hinse and P. J. Lupien, 933.
Cholesterol metabolism and vitamin B_6. IV. Synthesis of cholic acid conjugates in vitamin B_6-deficient rats. M. D. Avery and P. J. Lupien, 1026.

Lyman, R. L.
Diet and $^{14}CH_3$-methionine incorporation into liver phosphatidylcholine fractions of male and female rats. R. L. Lyman, G. Sheehan, and J. Tinoco, 71.

MacGregor, E. A.
Interaction of proteoglycans and chondroitin sulfates with calcium or phosphate ions. E. A. MacGregor and J. M. Bowness, 417.

MacKenzie, S. L.
Evaluation of methods for preparing proteins from plasma high density lipoproteins. H. S. Sodhi, R. K. Bhatnagar, and S. L. MacKenzie, 1076.

Maclachlan, G. A.
Particulate glucan synthetase activity: dependence on acceptor, activator, and plant growth hormone. F. S. Spencer, B. Ziola, and G. A. Maclachlan, 1326.

Madsen, N. B.
Kinetics of the reaction of *p*-chloromercuribenzoate with the sulfhydryl groups of glutathione, 2-mercaptoethanol, and phosphorylase *b*. B. B. Hasinoff, N. B. Madsen, and O. Avramovic-Zikic, 742.

Magee, W. L.
Phospholipase A_2: action on purified phospholipids as affected by deoxycholate and divalent cations. J. F. Uthe and W. L. Magee, 776.
Phospholipase A_2: comparative action of three different enzyme preparations on selected lipoprotein systems. J. F. Uthe and W. L. Magee, 785.

Maguire, R. J.
The effect of ligand binding on the optical rotatory dispersion of lactoperoxidase. R. J. Maguire and H. B. Dunford, 666.
The kinetics of the formation of the primary lactoperoxidase – hydrogen peroxide compound. R. J. Maguire and H. B. Dunford, 1165.

Mailer, C.
The temperature dependence of the electron paramagnetic resonance spectrum of ferricytochrome *c* solutions between 4.2 °K and 77 °K. C. Mailer and C. P. S. Taylor, 695.

Mains, G.
The specificity of penicillopepsin. G. Mains, M. Takahashi, J. Šodek, and T. Hofmann, 1134.

Majer, J. R.
The mass spectrometric identification of the isomers of tyramine: identification of para-tyramine in rat brain. A. A. Boulton and J. R. Majer, 993.

Malcolm, M. J.
The biosynthesis of chelidonic acid. M. J. Malcolm and J. R. Gear, 412.

Mangat, B. S.
Changes in the free nucleotide pool during growth in cultures of *Polytoma uvella*. B. S. Mangat, 811.

Marquardt, R. R.
Sex hormone control mechanisms. II. Influence of estrogen and progesterone on the activities of key enzymes involved in the carbohydrate metabolism of chicken (*Gallus domesticus*) oviducts. L. D. Campbell, J. Y.-L. Yu, S. C. Stothers, and R. R. Marquardt, 201.
Sex hormone control mechanisms. I. Effects of estrogen and progesterone on major cellular components in chicken (*Gallus domesticus*) oviducts. J. Y.-L. Yu, L. D. Campbell, and R. R. Marquardt, 348.
Multiple molecular forms of avian aldolases. V. Purification and molecular properties of chicken (*Gallus domesticus*) liver aldolase. R. R. Marquardt, 647.
Multiple molecular forms of avian aldolases. VI. Enzymatic properties and amino acid composition of chicken liver aldolase and comparative immunochemical properties. R. R. Marquardt, 658.

Marriage, P. B.
Analysis of the organic acids of *Bryophyllum calycinum*. P. B. Marriage and D. G. Wilson, 282.

Martin, R. O.
Biosynthesis of thermopsis alkaloids from carbon-14-dioxide. Evidence for the formation of the pyridone bases from lupanine via 5,6-dehydrolupanine. Y. D. Cho and R. O. Martin, 971.

Matheson, A. T.
Some properties of ribosomes from Myxobacter 495. W. Sendecki, K. Mikulik, and A. T. Matheson, 1333.
Localization of the basic aminopeptidases in *E. coli*. A. T. Matheson, L. P. Visentin, A. Boutet, and C. F. Rollin, 1340.

McCalla, J. I.
Specific interaction of tRNA 3′-terminal nucleotidyl transferase with polynucleates. S. J. Igarashi and J. I. McCalla, 1307.

McConnell, W. B.
Biosynthesis of β-cyanoalanine in *Vicia sativa*. S. N. Nigam and W. B. McConnell, 799.

McDonald, J. W. D.
Lymphocyte and platelet adenylcyclase. J. W. D. McDonald, 316.

McLennan, B. D.
N^6-(Δ^2-Isopentenyl)adenosine: Its conversion to inosine, catalyzed by adenosine aminohydrolases from chicken bone marrow and calf intestinal mucosa. R. H. Hall, S. N. Alam, B. D. McLennan, C. Terrine, and J. Guern, 623.

Meeker, C. I.
Metabolism of 15α-hydroxyandrostenedione by the perfused human placenta. C. I. Meeker, M. D. Stern, and S. Solomon, 32.

Menon, I. A.
Effects of phospholipases on RNA polymerase activity in preparations from rat brain. I. A. Menon, 1318.
Differential effects of α-amanitin on RNA polymerase activity in nuclei and mitochondria. I. A. Menon, 1395.

Mertz, E. T.
Studies on plasminogen. IX. Purification of human plasminogen from Cohn fraction III by affinity chromatography. T. H. Liu and E. T. Mertz, 1055.

Mettrick, D. F.
Pattern of incorporation of ^{32}P into the phospholipids of the rat tapeworm, *Hymenolepis diminuta*. R. A. Webb and D. F. Mettrick, 1209.

Mezei, C.
RNA synthesis in peripheral nerve in the chick during development. Y.-W. Hu and C. Mezei, 320.
Effect of acriflavine and ethidium bromide on the synthesis of RNA of the peripheral nerve in the chick during development. C. Mezei, Y.-W. Hu, and E. Aitken, 463.

Miech, R. P.
Adenine as substrate for purine nucleoside phosphorylase. T. P. Zimmerman, N. B. Gersten, A. F. Ross, and R. P. Miech, 1050.

Mikulik, K.
Some properties of ribosomes from Myxobacter 495. W. Sendecki, K. Mikulik, and A. T. Matheson, 1333.

Minnich, J.
Seizures in rats associated with divalent cation inhibition of Na^+– K^+-ATP'ase. J. Donaldson, T. St.-Pierre, J. Minnich, and A. Barbeau, 1217.

Mitchell, E. D.
The bottle-nosed dolphin *Tursiops truncatus*: fatty acid composition of milk triglycerides. R. G. Ackman, C. A. Eaton, and E. D. Mitchell, 1172.

Moloney, P. J.
Immunotolerance to insulin and Freund's adjuvant. P. J. Moloney and M. A. Evans, 865.

Mookerjea, S.
Occurrence of UDP-*N*-acetylglucosamine : glycoprotein *N*-acetylglucosaminyltransferase activity in human and rat sera. S. Mookerjea, A. Chow, and R. L. Hudgin, 297.
N-Acetylglucosaminyltransferase activity in liver, serum, and ovaries of domestic fowl. D. A. Gornall, A. Kuksis, L. Pinteric, and S. Mookerjea, 671.

Moore, G. J.
A modified synthesis of α-*N*-carbobenzoxy-L-lysine and the preparation and analysis of mixtures of ε-*N*-methyllysine. N. L. Benoiton, R. E. Demayo, G. J. Moore, and J. R. Coggins, 1292.

Morris, H. P.
The use of nucleotide-sugar : glycoprotein glycosyltransferases to assess Golgi apparatus function in Morris hepatomas. R. L. Hudgin, R. K. Murray, L. Pinteric, H. P. Morris, and H. Schachter, 61.

Morton, R. A.
The electron paramagnetic resonance spectrum at 77 °K of lyophilized and frozen solutions of horst heart ferricytochrome *c*. R. A. Morton and T. L. Bohan, 328.

Moser, P. B.
Effect of repeated starvation on serum insulin level and the enzyme overshoot in liver. B. Szepesi, C. D. Berdanier, S. K. Diachenko, and P. B. Moser, 393.

Mueller, N. S.
Synthesis of unsaturated fatty acids in chick embryo liver. W. E. Donaldson and N. S. Mueller, 563.

Muirhead, M.
Changes in the amount and properties of adenyl cyclase in brown adipose tissue during acclimation of rats to cold. M. Muirhead and J. Himms-Hagen, 802.

Murray, R. K.
The use of nucleotide-sugar : glycoprotein glycosyltransferases to assess Golgi apparatus function in Morris hepatomas. R. L. Hudgin, R. K. Murray, L. Pinteric, H. P. Morris, and H. Schachter, 61.

Murthy, M. R. V.
DNA polymerases of newborn rat brain and liver. A. D. Bharucha and M. R. V. Murthy, 978.
Subcellular distribution of DNA polymerase activity in newborn rat brain and liver. M. R. V. Murthy and A. D. Bharucha, 1285.

Nandi Majumdar, A. P.
Protein synthesis by ribosomes from rat kidney cortex: effect of aldosterone and bilateral adrenalectomy. A. P. Nandi Majumdar and D. Trachewsky, 501.

Nath, J.
Acid phosphatase during development of the black carpet beetle, *Attagenus megatoma* (Fab.). J. Nath and L. Butler, 311.

Nduaguba, J. C.
Steroid Δ^4-reductases of pig liver: partial purification of testosterone 5β-reductase. J. C. Nduaguba and A. F. Clark, 385.

Neelin, J. M.
Phosphorylation of histones in normal goose erythrocytes. V. L. Seligy and J. M. Neelin, 1062.

Nicholls, D. M.
Alkaline and acid ribonucleases of kidney and spleen of nephrotic rats. D. M. Nicholls and E. S. Bishay, 535.

Nigam, S. N.
Biosynthesis of β-cyanoalanine in *Vicia sativa*. S. N. Nigam and W. B. McConnell, 799.

Ofosu, F.
Fragmentation of haptoglobin by plasmin. F. Ofosu, D. W. Campbell, and G. E. Connell, 90.
Hemoglobin binding by enzymatic fragments of haptoglobin. F. Ofosu and G. E. Connell, 637.

Olafson, R. W.
An improved fractionation system for pronase on CM-Sephadex. L. Jurášek, P. Johnson, R. W. Olafson, and L. B. Smillie, 1195.

Oliver, J. M.
Nucleoside transport. I. A mediated process in human erythrocytes. J. M. Oliver and A. R. P. Paterson, 262.
Nucleoside transport. II. Inhibition by *p*-nitrobenzylthioguanosine and related compounds. A. R. P. Paterson and J. M. Oliver, 271.

Oliver, S. L.
Chemical modification of human lysozyme. Acetylation and nitration of tyrosine. R. L. Fawcett, T. J. Limbird, S. L. Oliver, and C. L. Borders, Jr., 816.

Pahlich, E.
Glutamate dehydrogenase from pea roots: purification and properties of the enzyme. E. Pahlich and K. W. Joy, 127.

Palameta, B.
Synthesis of diphytanyl ether analogues of phosphatidic acid and cytidine diphosphate diglyceride. M. K. Kates, C. E. Park, B. Palameta, and C. N. Joo, 275.

Palchoudhury, S. R.
Further investigations on transcription and translation in *Limnaea* embryos. R. L. Brahmachary, S. R. Palchoudhury, and P. K. Tapaswi, 926.
Erratum: Further investigations on transcription and translation in *Limnaea* embryos. R. L. Brahmachary, and S. R. Palchoudhury, 1398.

Palmer, F. B. St.C.
The phosphorus components of solubilized erythrocyte membrane protein. F. B. St.C. Palmer and J. A. Verpoorte, 337.

Park, C. E.
Synthesis of diphytanyl ether analogues of phosphatidic acid and cytidine diphosphate diglyceride. M. K. Kates, C. E. Park, B. Palameta, and C. N. Joo, 275.

Paterson, A. R. P.
Nucleoside transport. I. A mediated process in human erythrocytes. J. M. Oliver and A. R. P. Paterson, 262.
Nucleoside transport. II. Inhibition by *p*-nitrobenzylthioguanosine and related compounds. A. R. P. Paterson and J. M. Oliver, 271.
Turnover of purine nucleotides in rabbit erythrocytes: lack of *in vivo* effect of the nucleoside transport inhibitor, *p*-nitrobenzyl-6-thioguanosine. R. R. Brown and A. R. P. Paterson, 1251.

Perry, G. L.
An atypical substrate–inhibitor–rate relationship for the action of antimycin A on the succinate–ferricyanide reductase activity of beef heart electron transfer particles. G. L. Perry and F. R. Williams, 936.

Petitclerc, C.
Resolution of ring-substituted phenylalanines by the action of α-chymotrypsin on their ethyl esters. J. H. Tong, C. Petitclerc, A. D'Iorio, and N. L. Benoiton, 877.

Phibbs, P. V., Jr.
Kinetics of transport of glucose, fructose, and mannitol by *Pseudomonas aeruginosa*. R. G. Eagon and P. V. Phibbs, Jr., 1031.

Pinteric, L.
The use of nucleotide-sugar : glycoprotein glycosyltransferases to assess Golgi apparatus function in Morris hepatomas. R. L. Hudgin, R. K. Murray, L. Pinteric, H. P. Morris, and H. Schachter, 61.
N-Acetylglucosaminyltransferase activity in liver, serum, and ovaries of domestic fowl. D. A. Gornall, A. Kuksis, L. Pinteric, and S. Mookerjea, 671.

Pitel, D. W.
Improved methods for preparing pure gibberellins from cultures of *Gibberella fujikuroi*. Isolation by adsorption or partition chromatography on silicic acid and by partition chromatography on Sephadex columns. D. W. Pitel, L. C. Vining, and G. P. Arsenault, 185.
Biosynthesis of gibberellins in *Gibberella fujikuroi*. The sequence after gibberellin A_4. D. W. Pitel, G. P. Arsenault, and L. C. Vining, 194.

Polakova, A.
The metabolism and conjugation of 15α-hydroxylated phenolic steroids by the rabbit. A. Polakova, C. Gwilliam, G. A. Quamme, D. G. Williamson, and D. S. Layne, 368.

Potter, R.
Sodium ion binding to pepsin and other proteins. G. E. Clement, A. Siegel, and R. Potter, 477.

Pugh, E. L.
Inhibition of fatty acid synthetase in *Halobacterium cutirubrum* and *Escherichia coli* by high salt concentrations. E. L. Pugh, M. K. Wassef, and M. Kates, 953.

Pushpathadam, J.
The hepatic chalone. I. Assay method for the hormone and purification of the rabbit liver chalone. W. G. Verly, Y. Deschamps, J. Pushpathadam, and M. Desrosiers, 1376.

Quamme, G. A.
The metabolism and conjugation of 15α-hydroxylated phenolic steroids by the rabbit. A. Polakova, C. Gwilliam, G. A. Quamme, D. G. Williamson, and D. S. Layne, 368.

Radhakrishnan, T. M.
A diagonal paper electrophoretic method for the selective isolation of histidyl peptides. W. H. Cruickshank, T. M. Radhakrishnan, and H. Kaplan, 1225.

Radomski, M. W.
A study of possible biochemical mechanisms involved in hyperbaric oxygen-induced changes in cerebral γ-amino-butyric acid levels and accompanying seizures. J. D. Wood, M. W. Radomski, and W. J. Watson, 543.

Raeside, J. I.
The isolation and identification of androstenediol sulfate from spermatic vein blood and testes of the boar. J. I. Raeside and G. A. Howells, 80.

Rakhit, S.
On the structure of the renin inhibitor from hog kidney. S. Rakhit, 1012.

Roberts, K. D.
Studies on mammalian and molluscan steroid sulfatase. Solubilization and properties. G. Bleau, A. Chapdelaine, and K. D. Roberts, 234.

Robinson, R.
Synthesis of 2,3-diphosphono-DL-glyceric acid, a racemic analogue of 2,3-diphospho-D-glyceric acid, the cofactor of both phosphoglyceric acid mutase and hemoglobin. E. Baer and R. Robinson, 300.

Rollin, C. F.
Localization of the basic aminopeptidases in *E. coli*. A. T. Matheson, L. P. Visentin, A. Boutet, and C. F. Rollin, 1340.

Ross, A. F.
Adenine as substrate for purine nucleoside phosphorylase. T. P. Zimmerman, N. B. Gersten, A. F. Ross, and R. P. Miech, 1050.

Rubinstein, D.
Esterification of linoleate by rabbit reticulocytes. E. M. Warrendorf and D. Rubinstein, 919.

Russo, S. F.
Interaction of δ-chymotrypsin with proflavine. W. Chen and S. F. Russo, 28.

St.-Pierre, T.
Seizures in rats associated with divalent cation inhibition of $Na^+ - K^+$-ATP'ase. J. Donaldson, T. St.-Pierre, J. Minnich, and A. Barbeau, 1217.

Sandor, T.
The *in vivo* effect of adrenocorticotropin on the biosynthesis of flavin nucleotides in rat liver and kidney. A. G. Fazekas and T. Sandor, 989.

Schachter, H.
The use of nucleotide-sugar : glycoprotein glycosyltransferases to assess Golgi apparatus function in Morris hepatomas. R. L. Hudgin, R. K. Murray, L. Pinteric, H. P. Morris, and H. Schachter, 61.
Porcine sugar nucleotide : glycoprotein glycosyltransferases. I. Blood serum and liver sialyltransferase. R. L. Hudgin and H. Schachter, 829.
Porcine sugar nucleotide : glycoprotein glycosyltransferases. II. Blood serum and liver galactosyltransferase. R. L. Hudgin and H. Schachter, 838.
Porcine sugar nucleotide : glycoprotein glycosyltransferases. III. Blood serum and liver *N*-acetylglucosaminyltransferase. R. L. Hudgin and H. Schachter, 847.

Schneider, H.
A spin label study of the influence of cholesterol on phospholipid multibilayer structures. J.-C. Hsia, H. Schneider, and I. C. P. Smith, 614.

Scholefield, P. G.
The energy metabolism of Novikoff ascites hepatoma cells. I. The effects of glucose on the intracellular level of adenine nucleotides. J. W. Gurd and P. G. Scholefield, 686.

Scrimgeour, K. G.
Properties of inosine-5′-phosphate dehydrogenase from *Bacillus subtilis*. T.-W. Wu and K. G. Scrimgeour, 473.

Seligy, V. L.
Phosphorylation of histones in normal goose erythrocytes. V. L. Seligy and J. M. Neelin, 1062.

Sell, H. M.
The effects of sodium bisulfite, manganous chloride, and 2,4-dichlorophenol on peroxidase-catalyzed oxidation of indole-3-acetaldehyde. R. Yeh, D. Hemphill, Jr., and H. M. Sell, 162.

Sendecki, W.
Some properties of ribosomes from Myxobacter 495. W. Sendecki, K. Mikulik, and A. T. Matheson, 1333.

Shaw, M. C.
Studies on chymotrypsin-P. I. Characterization. M. C. Shaw and T. Viswanatha, 999.

Sheehan, G.
Diet and $^{14}CH_3$-methionine incorporation into liver phosphatidylcholine fractions of male and female rats. R. L. Lyman, G. Sheehan, and J. Tinoco, 71.

Shull, K. V.
Partial characterization and cellular localization of two deoxyribonucleases in the small intestine of the rat. M. W. Lieberman, R. J. Sullivan, K. H. Shull, H. Liang, and E. Farber, 38.

Siegel, A.
Sodium ion binding to pepsin and other proteins. G. E. Clement, A. Siegel, and R. Potter, 477.

Sinclair, A. J.
The incorporation of ethanolamine and methionine into sphingomyelin in Ehrlich ascites tumor cells. A. J. Sinclair, 700.

Skov, K.
Correlations between optical rotatory dispersion and other spectroscopic properties of ferricytochrome *c* (horse heart). K. Skov and G. R. Williams, 441.

Smillie, L. B.
The disulfide bridge sequences of a serine protease of wide specificity from *Streptomyces griseus*. P. Johnson and L. B. Smillie, 548.
The amino acid sequence of *Streptomyces griseus* Protease A: the peptic peptides. P. Johnson and L. B. Smillie, 1083.
An improved fractionation system for pronase on CM-Sephadex. L. Jurášek, P. Johnson, R. W. Olafson, and L. B. Smillie, 1195.

Smith, D. B.
Studies on porcine haptoglobin and its complex with human hemoglobin. I. H. Fraser and D. B. Smith, 141.
Effect of maleylation and amidination of hemoglobin on its haptoglobin and oxygen reactions. W. L. Lockhart and D. B. Smith, 148.
Tetranitromethane as a nitrating reagent for tyrosine and tyrosine-containing peptides and proteins. N. D. Boyd and D. B. Smith, 154.
The reaction of hemoglobin with the complex formed from haptoglobin and hemoglobin α-subunits. N. D. Boyd, D. B. Smith, and D. Andrews, 891.

Smith, I. C. P.
A spin label study of the influence of cholesterol on phospholipid multibilayer structures. J.-C. Hsia, H. Schneider, and I. C. P. Smith, 614.
A proton magnetic resonance study of the molecular conformation of a modified nucleoside from transfer RNA. Dihydrouridine. R. Deslauriers, R. D. Lapper, and I. C. P. Smith, 1279.

Sobel, R. E.
Ox brain aminopeptidases. Further purification of three bovine enzymes. R. E. Sobel and A. S. Brecher, 676.

Sodek, J.
The specificity of penicillopepsin. G. Mains, M. Takahashi, J. Sodek, and T. Hofmann, 1134.

Sodhi, H. S.
Evaluation of methods for preparing proteins from plasma high density lipoproteins. H. S. Sodhi, R. K. Bhatnagar, and S. L. MacKenzie, 1076.

Solomon, S.
Metabolism of 15α-hydroxyandrostenedione by the perfused human placenta. C. I. Meeker, M. D. Stern, and S. Solomon, 32.

Spencer, F. S.
Particulate glucan synthetase activity: dependence on acceptor, activator, and plant growth hormone. F. S. Spencer, B. Ziola, and G. A. Maclachlan, 1326.

Sribney, M.
Stimulation of sphingomyelin synthetase by sulfhydryl reagents. M. Sribney, 306.

Stanacev, N. Z.
Biosynthesis of cardiolipin in mitochondria. J. B. Davidson and N. Z. Stanacev, 1117.

Stanton, M.
Reduction of chymotrypsin A_α by dithiothreitol. M. Stanton and T. Viswanatha, 1233.

Starratt, A. N.
Synthesis of octadeca-*trans*-2,*cis*-9,*cis*-12-trienoic acid and its evaluation as a honey bee attractant. A. N. Starratt and R. Boch, 251.

Steck, W.
Biosynthesis of furanochromones. P. G. Harrison, B. K. Bailey, and W. Steck, 964.
Comparison of (+)- and (−)-marmesin as intermediates in the biosynthesis of linear furanocoumarins. W. Steck and S. A. Brown, 1213.

Stemke, G. W.
Rabbit immunoglobulin allotypy: the physiochemical nature of a-group determinants. G. W. Stemke, 1257.

Stern, M. D.
Metabolism of 15α-hydroxyandrostenedione by the perfused human placenta. C. I. Meeker, M. D. Stern, and S. Solomon, 32.

Stevenson, K. J.
The isolation of chymotrypsin-like enzymes by affinity chromatography using Sepharose–4-phenylbutylamine. K. J. Stevenson and A. Landman, 119.

Stifel, F. B.
Effect of L-histidine on human and rat jejunal pyruvate kinase activity. F. B. Stifel and R. H. Herman, 1105.

Stothers, S. C.
Sex hormone control mechanisms. II. Influence of estrogen and progesterone on the activities of key enzymes involved in the carbohydrate metabolism of chicken (*Gallus domesticus*) oviducts. L. D. Campbell, J. Y.-L. Yu, S. C. Stothers, and R. R. Marquardt, 201.

Sullivan, R. J.
Partial characterization and cellular localization of two deoxyribonucleases in the small intestine of the rat. M. W. Lieberman, R. J. Sullivan, K. H. Shull, H. Liang, and E. Farber, 38.

Sundaram, P. V.
Preparation and properties of solid-supported urease. P. V. Sundaram and E. M. Crook, 1388.

Szepesi, B.
Time course of enzyme adaptation. III. Periodic and nonperiodic responses of rat liver enzyme activities to diets in meal-fed rats. B. Szepesi and R. A. Freedland, 108.
Effect of repeated starvation on serum insulin level and the enzyme overshoot in liver. B. Szepesi, C. D. Berdanier, S. K. Diachenko, and P. B. Moser, 393.

Szewczuk, A.
Purification and properties of γ-glutamyl cyclotransferase from pig liver. E. D. Adamson, A. Szewczuk, and G. E. Connell, 218.

Takahashi, M.
Separation and properties of isozymes of 3-deoxy-D-*arabino*-heptulosonate-7-phosphate synthetase from *Saccharomyces cerevisiae*. M. Takahashi and W. W.-C. Chan, 1015.
The specificity of penicillopepsin. G. Mains, M. Takahashi, J. Šodek, and T. Hofmann, 1134.

Tan, A.-T.
Circular dichroism properties of conalbumin and its iron and copper complexes. A.-T. Tan, 1071.

Tanguay, R.
Studies on mitochondria. I. Mitochondrial DNA in relation to morphological development of sarcosomes in thoracic muscles of the African desert locust (*Schistocerca gregaria* Forsk). R. Tanguay and K. D. Chaudhary, 357.

Tapaswi, P. K.
Further investigations on transcription and translation in *Limnaea* embryos. R. L. Brahmachary, S. R. Palchoudhury, and P. K. Tapaswi, 926.

Tarr, H. L. A.
Deoxyribonucleic acid polymerase from immature testes of salmon. H. L. A. Tarr and L. Gardner, 19.

Taylor, C. P. S.
The temperature dependence of the electron paramagnetic resonance spectrum of ferricytochrome *c* solutions between 4.2 °K and 77 °K. C. Mailer and C. P. S. Taylor, 695.

Tener, G. M.
Aspartyl transfer ribonucleic acid synthetase from bakers' yeast. R. F. B. Diller and G. M. Tener, 822.

Terrine, C.
N^6-(Δ^2-Isopentenyl)adenosine: Its conversion to inosine, catalyzed by adenosine aminohydrolases from chicken bone marrow and calf intestinal mucosa. R. H. Hall, S. N. Alam, B. D. McLennan, C. Terrine, and J. Guern, 623.

Tinoco, J.
Diet and $^{14}CH_3$-methionine incorporation into liver phosphatidylcholine fractions of male and female rats. R. L. Lyman, G. Sheehan, and J. Tinoco, 71.

Toffler, I.
Biochemical alterations in the skeletal muscle of vitamin E deficient rats. N. S. Dhalla, M. Fedelesova, and I. Toffler, 1202.

Tong, J. H.
Resolution of ring-substituted phenylalanines by the action of α-chymotrypsin on their ethyl esters. J. H. Tong, C. Petitclerc, A. D'Iorio, and N. L. Benoiton, 877.

Torday, J. S.
Influence of gonads on the sulfurylation of 11-deoxycorticosterone and corticosterone by rat liver cytosol. J. S. Torday, G. P. Klein, and C. J. P. Giroud, 437.
Erratum: Influence of gonads on the sulfurylation of 11-deoxycorticosterone and corticosterone by rat liver cytosol. J. S. Torday, G. P. Klein, and C. J. P. Giroud, 863.

Trachewsky, D.
Modification of rat renal cortical chromatin by aldosterone treatment. D. Trachewsky and A. M. Cheah, 496.
Protein synthesis by ribosomes from rat kidney cortex: effect of aldosterone and bilateral adrenalectomy. A. P. Nandi Majumdar and D. Trachewsky, 501.

Turnell, R. W.
Erratum: Corticosteroid metabolism and liver glycogen in fetal and newborn mice. A. F. Burton, R. M. Greenall, and R. W. Turnell, 401.

Unrau, A. M.
Metabolites of *Verticillium dahliae*: the isolation and structure elucidation of some disaccharides and a trisaccharide. Y. M. Choy and A. M. Unrau, 894.

Uthe, J. F.
Phospholipase A_2: action on purified phospholipids as affected by deoxycholate and divalent cations. J. F. Uthe and W. L. Magee, 776.
Phospholipase A_2: comparative action of three different enzyme preparations on selected lipoprotein systems. J. F. Uthe and W. L. Magee, 785.

Verdy, M.
The effect of ethanol and acetaldehyde on the metabolism and vascular resistance of the perfused heart. L. Gailis and M. Verdy, 227.

Verly, W. G.
The hepatic chalone. I. Assay method for the hormone and purification of the rabbit liver chalone. W. G. Verly, Y. Deschamps, J. Pushpathadam, and M. Desrosiers, 1376.

Vernon, R. G.
Studies on spermatogenesis in rats. I. Application of the sedimentation velocity technique to an investigation of spermatogenesis. V. L. W. Go, R. G. Vernon, and I. B. Fritz, 753.
Studies on spermatogenesis in rats. II. Evidence that carnitine acetyltransferase is a marker enzyme for the investigation of germ cell differentiation. R. G. Vernon, V. L. W. Go, and I. B. Fritz, 761.
Studies on spermatogenis in rats. III. Effects of hormonal treatment on differentiation kinetics of the spermatogenic cycle in regressed hypophysectomized rats. V. L. W. Go, R. G. Vernon, and I. B. Fritz, 768.

Verpoorte, J. A.
The phosphorus components of solubilized erythrocyte membrane protein. F. B. St.C. Palmer and J. A. Verpoorte, 337.

Vestal, J. R.
The sulfate oxidase of *Thiobacillus ferrooxidans* (*Ferrobacillus ferrooxidasn*). J. R. Vestal and D. G. Lundgren, 1125.

Vining, L. C.
Improved methods for preparing pure gibberellins from cultures of *Gibberella fujikuroi*. Isolation by adsorption or partition chromatography on silicic acid and by partition chromatography on Sephadex columns. D. W. Pitel, L. C. Vining, and G. P. Arsenault, 185.
Biosynthesis of gibberellins in *Gibberella fujikuroi*. The sequence after gibberellin A_4. D. W. Pitel, G. P. Arsenault, and L. C. Vining, 194.
Studies on the biosynthesis of mitomycin C by *Streptomyces verticillatus*. G. S. Bezanson and L. C. Vining, 911.

Visentin, L. P.
Localization of the basic aminopeptidases in *E. coli*. A. T. Matheson, L. P. Visentin, A. Boutet, and C. F. Rollin, 1340.

Viswanatha, T.
Studies on chymotrypsin-P. I. Characterization. M. C. Shaw and T. Viswanatha, 999.
Reduction of chymotrypsin A_α by dithiothreitol. M. Stanton and T. Viswanatha, 1233.

Voelkert, E.
The formation of homoserine from methionine in germinating peas. D. R. Grant and E. Voelkert, 795.

Waern, P. M.
Pressure jump studies of proteins. I. Isomerization of bovine serum albumin at neutral pH. D. E. Goldsack and P. M. Waern, 1267.

Walker, I. G.
Intrastrand bifunctional alkylation of DNA in mammalian cells treated with mustard gas. I. G. Walker, 332.

Warrendorf, E. M.
Esterification of linoleate by rabbit reticulocytes. E. M. Warrendorf and D. Rubinstein, 919.

Wassef, M. K.
Inhibition of fatty acid synthetase in *Halobacterium cutirubrum* and *Escherichia coli* by high salt concentrations. E. L. Pugh, M. K. Wassef, and M. Kates, 953.

Watson, W. J.
A study of possible biochemical mechanisms involved in hyperbaric oxygen-induced changes in cerebral γ-aminobutyric acid levels and accompanying seizures. J. D. Wood, M. W. Radomski, and W. J. Watson, 543.

Webb, R. A.
Pattern of incorporation of ^{32}P into the phospholipids of the rat tapeworm, *Hymenolepis diminuta*. R. A. Webb and D. F. Mettrick, 1209.

Westlake, D. W. S.
Regulation of chloramphenicol synthesis in *Streptomyces* Sp.3022a. 3-Deoxy-D-*arabino*-heptulosonate 7-phosphate synthetase. D. A. Lowe and D. W. S. Westlake, 448.

Wightman, F.
Metabolism of amino acids in plants. I. Changes in the soluble amino acid fractions of bushbean seedlings (*Phaseolus vulgaris* L.) and the development of transaminase activity. J. C. Forest and F. Wightman, 709.

Williams, G. R.
Correlations between optical rotatory dispersion and other spectroscopic properties of ferricytochrome *c* (horse heart). K. Skov and G. R. Williams, 441.
An atypical substrate–inhibitor–rate relationship for the action of antimycin A on the succinate–ferricyanide reductase activity of beef heart electron transfer particles. G. L. Perry and G. R. Williams, 936.

Williams, R. E.
Substituent effects on the chymotrypsin-catalyzed hydrolysis of specific ester substrates. R. E. Williams and M. L. Bender, 210.

Williamson, D. G.
The metabolism and conjugation of 15α-hydroxylated phenolic steroids by the rabbit. A. Polakova, C. Gwilliam, G. A. Quamme, D. G. Williamson, and D. S. Layne, 368.

Wilson, D. G.
Analysis of the organic acids of *Bryophyllum calycinum*. P. B. Marriage and D. G. Wilson, 282.

Wolfe, F. H.
Destabilization of casein micelles by lysozyme. M. A. Bakri and F. H. Wolfe, 882.

Wolowyk, M. W.
Sodium–potassium stimulated adenosinetriphosphatase of vascular smooth muscle. M. W. Wolowyk, A. M. Kidwai, and E. E. Daniel, 376.

Wong, J. T.-F.
Interpretation of nonhyperbolic behavior in enzymic systems. I. Differentiation of model mechanisms. J. T.-E. Wong and L. Endrenyi, 568.
Interpretation of nonhyperbolic behavior in enzymic systems. II. Quantitative characteristics of rate and binding functions. L. Endrenyi, M.-S. Chan, and J. T.-F. Wong, 581.
Recognition of 'early' and 'late' biosynthetic classes of ribosomal proteins in *Escherichia coli*. B. G. Beatty and J. T.-F. Wong, 1276.

Wood, D. M.
In vitro induction of tyrosine aminotransferase in liver slices by hydrocortisone. J. P. Liberti, C. H. DuVall, and D. M. Wood, 1357.

Wood, J. D.
A study of possible biochemical mechanisms involved in hyperbaric oxygen-induced changes in cerebral γ-amino-butyric acid levels and accompanying seizures. J. D. Wood, M. W. Radomski, and W. J. Watson, 543.

Wu, T.-W.
Properties of inosine-5′-phosphate dehydrogenase from *Bacillus subtilis*. T.-W. Wu and K. G. Scrimgeour, 473.

Wu, Y. V.
Some optical properties of *S*-β-(4-pyridylethyl)-L-cysteine and its wheat gluten and serum albumin derivatives. Y. V. Wu, J. E. Cluskey, L. H. Krull, and M. Friedman, 1042.

Yeh, R.
The effects of sodium bisulfite, manganous chloride, and 2,4-dichlorophenol on peroxidase-catalyzed oxidation of indole-3-acetaldehyde. R. Yeh, D. Hemphill, Jr., and H. M. Sell, 162.

Yu, J. Y.-L.
Sex hormone control mechanisms. II. Influence of estrogen and progesterone on the activities of key enzymes involved in the carbohydrate metabolism of chicken (*Gallus domesticus*) oviducts. L. D. Campbell, J. Y.-L. Yu, S. C. Stothers, and R. R. Marquardt, 201.
Sex hormone control mechanisms. I. Effects of estrogen and progesterone on major cellular components in chicken (*Gallus domesticus*) oviducts. J. Y.-L. Yu, L. D. Campbell, and R. R. Marquardt, 348.

Zimmerman, T. P.
Adenine as substrate for purine nucleoside phosphorylase. T. P. Zimmerman, N. B. Gersten, A. F. Ross, and R. P. Miech, 1050.

Ziola, B.
Particulate glucan synthetase activity: dependence on acceptor, activator, and plant growth hormone. F. S. Spencer, B. Ziola, and G. A. Maclachlan, 1326.

CANADIAN JOURNAL OF BIOCHEMISTRY, VOLUME 49

SUBJECT INDEX

This is a permuted term index. The terms in an entry are arranged linearly, primary terms first, followed by secondary terms after the semicolon. Each primary term is used once to head an entry. Secondary terms are informative but not sufficiently specific to head entries. A reading of all the terms in an entry should convey the content of the paper.

Absorption spectrum, alga, cytochrome 553, electron carrier, *Monochrysis lutheri*, photosynthesis, protein purification, 641

Absorption spectrum, cytochrome *c*, electron carrier, ferricytochrome *c*, heart, horse, o.r.d., protein conformation, 441

Acetaldehyde, ethanol, heart, oxidation; guinea pig, metabolism, rat, 227

Acetic anhydride, acid anhydride, acylation, nucleotide, RNA, 730

Acetylation, comparative biochemistry, human, lysozyme, nitration, protein modification, tyrosine, 816

Acetylcholinesterase, alkylation, bromide, curare binding, decamethonium, electric eel, indophenyl acetate, tubocurarine, 1131

Acetyl-CoA carboxylase, acetyl-CoA holocarboxylase synthetase, adipose tissue; rat, 989

Acetyl-CoA holocarboxylase synthetase, acetyl-CoA carboxylase, adipose tissue; rat, 989

N-Acetylglucosaminyltransferase, development, glycosyltransferase, Golgi apparatus, liver, membrane, ovary, serum; hen, 671

N-Acetylglucosaminyltransferase, glycoprotein, glycosyltransferase, human, serum, UDP-*N*-acetylglucosamine; rat, 297

N-Acetylglucosaminyltransferase, glycoprotein, glycosyltransferase, liver, membrane, subcellular localization, 847

Acid anhydride, acetic anhydride, acylation, nucleotide, RNA, 730

Acid hydrolases, enzyme induction, lysosomes, realimentation, starvation; rat, 170

Acid phosphatase, carpet beetle (*Attagenus megatoma*), development, phosphatase, 311

Acriflavin, biosynthesis, development, ethidium bromide, nerve, RNA biosynthesis; chick, 463

Actomyosin, autoxidation, divalent metal ions, muscle, sulfhydryl group; rabbit, 1264

Acylation, acetic anhydride, acid anhydride, nucleotide, RNA, 730

Adenine, cancer, Ehrlich ascites tumor, guanine, purine nucleotide; catabolism, mouse, 959

Adenine, comparative biochemistry, human, nucleoside, purine nucleoside phosphorylase; cow, rat, 1050

Adenosine aminohydrolase, bone marrow, intestinal mucosa, isopentenyladenosine; chick, cow, 623

Adenylcyclase, adipose tissue, cold acclimation, noradrenaline; rat, 802

Adenylcyclase, adrenaline, development, enzyme induction, glucagon, liver; rat, 85

Adenylcyclase, fluoride stimulation, human, lymphocyte, platelet, prostaglandin, 316

Adipose tissue, acetyl-CoA carboxylase, acetyl-CoA holocarboxylase synthetase; rat, 989

Adipose tissue, adenylcyclase, cold acclimation, noradrenaline; rat, 802

Adipose tissue, biosynthesis, fatty acid biosynthesis, noradrenaline, pyruvate; rat, 736

Adrenalectomy, aldosterone, biosynthesis, chromatin, kidney, RNA biosynthesis; rat, 496

Adrenalectomy, aldosterone, biosynthesis, kidney, protein biosynthesis, ribosomes; rat, 501

Adrenaline, adenylcyclase, development, enzyme induction, glucagon, liver; rat, 85

Adrenocorticotropin, biosynthesis, flavin nucleotide biosynthesis, kidney, liver; rat, 987

Adsorption chromatography, *Gibberella fujikuroi*, gibberellin, partition chromatography, Sephadex, silicic acid, 185

Affinity chromatography, chymotrypsin, moose (*Alces alces*), pancreas, protease, Sepharose, serine protease, 119

Affinity chromatography, 3-deoxy-D-*arabino*-heptulosonate-7-phosphate synthetase, enzyme kinetics, enzyme purification, enzyme regulation, feedback inhibition, isoenzymes, *Saccharomyces cerevisiae*, yeast; phenylalanine, tyrosine, 1015

Affinity chromatography, enzyme purification, human, plasma, plasminogen; Cohn fraction III, 1055

Aldehyde dehydrogenase, human, liver, substrate specificity, 1

Aldolase, amino acid composition, immunochemistry, isoenzymes, liver; chick, 658

Aldolase, amino acid sequence, muscle, sturgeon (*Acipenser fulvescens*), 372

Aldolase, enzyme purification, isoenzymes, liver; chick, 647

Aldosterone, adrenalectomy, biosynthesis, chromatin, kidney, RNA biosynthesis; rat, 496

Aldosterone, adrenalectomy, biosynthesis, kidney, protein biosynthesis, ribosomes; rat, 501

Alga, absorption spectrum, cytochrome 553, electron carrier, *Monochrysis lutheri*, photosynthesis, protein purification, 641

Alga, nucleotide, nucleotide pool, *Polytoma uvella*, 811

Alkaloid, biosynthesis, carbon dioxide fixation, lupanine, *Thermopsis*, 971

Alkylation, acetylcholinesterase, bromide, curare binding, decamethonium, electric eel, indophenyl acetate, tubocurarine, 1131

Alkylation, cross-linking, DNA, guanine, HeLa cells, human, mustard gas, 332

Allergen, allergy, pollen, protein purification, ragweed pollen, 396

Allergy, allergen, pollen, protein purification, ragweed pollen, 396

Allosteric mechanisms, aspartate transcarbamylase, enzyme kinetics, 581

Allosteric mechanisms, enzyme kinetics, hemoglobin, quasi-equilibrium kinetics, steady-state kinetics, 568

Allotypy, immunoglobulin allotypy, physicochemical characterization, protein tertiary structure; rabbit, 1257

α-Amanitin, mitochondria, nucleus, RNA polymerase, subcellular localization; rat, 1395
Amidination, binding, Bohr effect, haptoglobin, hemoglobin, human, maleylation, oxygen, protein modification, 148
Amino acid composition, aldolase, immunochemistry, isoenzymes, liver; chick, 658
Amino acid composition, amino acid sequence, enzyme inhibition, gastrin, inhibitory polypeptide; pig, 255
Amino acid metabolism, carbohydrate metabolism, enzyme induction; rat, 108
Amino acid composition, chymotrypsin-P, protein conformation; molecular weight, 999
Amino acid composition, circular dichroism, cysteine, gluten, infrared spectrum, o.r.d., serum albumin, wheat; *S*-β-(4-pyridylethyl)-L-cysteine, 1042
Amino acid metabolism, bean, development, *Phaseolus vulgaris*, transaminase, 709
Amino acid sequence, aldolase, muscle, sturgeon (*Acipenser fulvescens*), 372
Amino acid sequence, amino acid composition, enzyme inhibition, gastrin, inhibitory polypeptide; pig, 255
Amino acid sequence, cancer, human, immunochemistry, immunoglobulin, myeloma, sulfhydryl group, 900
Amino acid sequence, disulfide bridge, protease, serine protease, *Streptomyces griseus*, 548
Amino acid sequence, gastrin, inhibitory polypeptide; pig, 867
Amino acid sequence, protease A, *Streptomyces griseus*; peptic peptide, 1083
γ-Aminobutyric acid, brain, development, hyperbaric oxygen; chick, 543
Aminopeptidase, brain, enzyme purification; ox, 676
Aminopeptidase, carboxymethylcellulose, carboxypeptidase, endopeptidase, enzyme purification, pronase, *Streptomyces griseus*, 1195
Aminopeptidase, *Escherichia coli*, exopeptidase, ribosomal exopeptidase, ribosomes, 1340
Ammi visnaga, *Angelica archangelica*, biosynthesis, chromone, coumarin, furanochromone biosynthesis, khellin, 964
Androstenediol sulfate, blood, steroid sulfate, testis; pig, 80
Angelica archangelica, *Ammi visnaga*, biosynthesis, chromone, coumarin, furanochromone biosynthesis, khellin, 964
Angelica archangelica, biosynthesis, furanocoumarin biosynthesis, *Heracleum lanatum*, marmesin, *Ruta graveolens*, umbelliferone; stereoisomers, 1213
Antibodies, colostrum, immunoadsorption, immunoglobulin, protein purification; DNP-specific antibodies, cow, 522
Antimycin A, electron carrier, enzyme kinetics, heart, succinate–ferricyanide reductase; cow, 936
Aorta, ATPase, microsomes, muscle; Na^+–K^+ stimulated, rabbit, 376
Arachidonoyllecithin, cholesteryl arachidonate, lecithin, liver, phospholipid metabolism, plasma; rat, 1005
Aspartate, aspartyl tRNA synthetase, enzyme purification, *Saccharomyces cerevisiae*, transfer RNA, yeast, 822
Aspartate transcarbamylase, allosteric mechanisms, enzyme kinetics, 581
Aspartate transcarbamylase, biosynthesis, carbamylphosphate synthetase, enzyme regulation, protein aggregation, pyrimidine biosynthesis, *Saccharomyces cerevisiae*, yeast, 403
Aspartyl tRNA synthetase, aspartate, enzyme purification, *Saccharomyces cerevisiae*, transfer RNA, yeast, 822
ATP, ATPase, liver, mitochondria, thermodynamics; rat, 721
ATPase, aorta, microsomes, muscle; Na^+–K^+ stimulated, rabbit, 376
ATPase, ATP, liver, mitochondria, thermodynamics; rat, 721
ATPase, bean, chloroplasts, coupling factor, etioplasts, *Phaseolus vulgaris*, photophosphorylation, 207
ATPase, brain, enzyme inhibition, microsomes, sodium–potassium–ATPase; divalent cations, rat, 1217
ATPase, muscle, myosin, protein stability, sulfhydryl group, trout; rabbit, 97
Attractant, bee, octadeca-*trans*-2,*cis*-9,*cis*-12-trienoic acid, pollen, 251
Autoxidation, actomyosin, divalent metal ions, muscle, sulfhydryl group; rabbit, 1264

Bacillus subtilis, enzyme purification, enzyme regulation, inosine-5′-phosphate dehydrogenase; inhibition by GMP, 473
Bean, amino acid metabolism, development, *Phaseolus vulgaris*, transaminase, 709
Bean, ATPase, chloroplasts, coupling factor, etioplasts, *Phaseolus vulgaris*, photophosphorylation, 207
Bee, attractant, octadeca-*trans*-2,*cis*-9,*cis*-12-trienoic acid, pollen, 251
Benzyladenine, cellobiose, epicotyl, gibberellic acid, glucan synthetase, indoleacetic acid, pea, *Pisum sativum*, plant growth hormone, 1326
Bilayer structure, cholesterol, e.s.r., lecithin, membrane structure, phospholipid, 614
Binding, amidination, Bohr effect, haptoglobin, hemoglobin, human, maleylation, oxygen, protein modification, 148
Binding, cartilage, chondroitin sulfate, proteoglycan; Ca^{2+}, PO_4^{3-}, 417
Binding, chymotrypsin, proflavin, 28
Binding, circular dichroism, conalbumin, copper, egg white, iron, protein conformation; hen, 1071
Binding, DNA, estradiol, horseradish peroxidase, peroxidase, RNA, uterus; rat, 885
Binding, DNA, hybridization, nitrocellulose filters, 631
Binding, haptoglobin, haptoglobin fragments, hemoglobin, human, plasmin, 637
Binding, haptoglobin, hemoglobin, human, plasma; mouse, 891
Binding, haptoglobin, hemoglobin, human, plasma; pig, 141
Binding, lactoperoxidase, o.r.d., peroxidase, protein conformation, 666
Binding, pepsin; cow, Na^+ binding, 477
Biosynthesis, acriflavin, development, ethidium bromide, nerve, RNA biosynthesis; chick, 463
Biosynthesis, adipose tissue, fatty acid biosynthesis, noradrenaline, pyruvate; rat, 736
Biosynthesis, adrenalectomy, aldosterone, chromatin, kidney, RNA biosynthesis; rat, 496
Biosynthesis, adrenalectomy, aldosterone, kidney, protein biosynthesis, ribosomes; rat, 501
Biosynthesis, adrenocorticotropin, flavin nucleotide biosynthesis, kidney, liver; rat, 987
Biosynthesis, alkaloid, carbon dioxide fixation, lupanine, *Thermopsis*, 971
Biosynthesis, *Ammi visnaga*, *Angelica archangelica*, chromone, coumarin, furanochromone biosynthesis, khellin, 964
Biosynthesis, *Angelica archangelica*, furanocoumarin biosynthesis, *Heracleum lanatum*, marmesin, *Ruta graveolens*, umbelliferone; stereoisomers, 1213
Biosynthesis, aspartate transcarbamylase, carbamylphosphate synthetase, enzyme regulation, protein aggregation, pyrimidine biosynthesis, *Saccharomyces cerevisiae*, yeast, 403

Biosynthesis, cancer, Ehrlich ascites tumor, ethanolamine, methionine, microsomes, phospholipid biosynthesis, sphingomyelin; mouse, 700
Biosynthesis, cardiolipin, glycero-3-phosphate, mitochondria, phospholipid biosynthesis; guinea pig, 1117
Biosynthesis, cephalin, inositide, lecithin, liver lecithin, phospholipid biosynthesis; rat, 1347
Biosynthesis, chelidonic acid, *Chelidonium majus*, *Narcissus incomparibilis*, 412
Biosynthesis, chloramphenicol, 3-deoxy-D-*arabino*-heptulosonate-7-phosphate synthetase, enzyme repression, *Streptomyces*, 448
Biosynthesis, cholesterol biosynthesis, ethyl chlorophenoxyisobutyrate, lipid metabolism, lipoprotein, liver, phospholipid, serum, 903
Biosynthesis, cholesterol biosynthesis, liver, vitamin B_6; rat, 933
Biosynthesis, β-cyanoalanine, cysteine, vetch, *Vicia sativa*, 799
Biosynthesis, development, egg, *Limnaea*, protein biosynthesis, RNA biosynthesis, 926
Biosynthesis, development, estrogen, ovalbumin, oviduct, progesterone, protein biosynthesis; chick, 348
Biosynthesis, development, fatty acid biosynthesis, liver, unsaturated fatty acid; chick embryo, 563
Biosynthesis, development, nerve, RNA biosynthesis; chick, 320
Biosynthesis, dissociation factor, liver, protein biosynthesis, ribosomes; rat, 1301
Biosynthesis, enzyme biosynthesis, insulin, liver, realimentation, starvation; rat, 393
Biosynthesis, erythrocyte, linoleic acid, phospholipid biosynthesis, reticulocyte, subcellular localization; rabbit, 919
Biosynthesis, *Escherichia coli*, protein biosynthesis, ribosomal protein, ribosome structure, 1276
Biosynthesis, *Gibberella fujikuroi*, gibberellin, 194
Biosynthesis, growth hormone, hydrocortisone, liver, nuclear RNA, nucleus, RNA; rat, 853
Biosynthesis, histone, γ-irradiation, lymphocyte, nucleus, protein biosynthesis, 456
Biosynthesis, *Hymenolepis diminuta*, ^{32}P-phosphate incorporation, phospholipid biosynthesis, tapeworm, 1209
Biosynthesis, liver, polysomes, protein biosynthesis, starvation; rat, 1150
Biosynthesis, mitomycin C, *Streptomyces verticillatus*, 911
Biuret, protein determination, sucrose, 139
Blood, androstenediol sulfate, steroid sulfate, testis; pig, 80
Bohr effect, amidination, binding, haptoglobin, hemoglobin, human, maleylation, oxygen, protein modification, 148
Bone marrow, adenosine aminohydrolase, intestinal mucosa, isopentenyladenosine; chick, cow, 623
Brain, aminopeptidase, enzyme purification; ox, 676
Brain, γ-aminobutyric acid, development, hyperbaric oxygen; chick, 543
Brain, ATPase, enzyme inhibition, microsomes, sodium–potassium–ATPase; divalent cations, rat, 1217
Brain, development, DNA polymerase, liver, subcellular distribution; rat, 1285
Brain, development, DNA, DNA polymerase, liver, subcellular fractionation; rat, 978
Brain, mass spectrometry, tyramine; rat, 993
Brain, mitochondria, nucleus, phospholipase, RNA polymerase, subcellular localization; rat, 1318
Bromide, acetylcholinesterase, alkylation, curare binding, decamethonium, electric eel, indophenyl acetate, tubocurarine, 1131
Bryophyllum calycinum, dicarboxylic acid, leaf, tricarboxylic acid; analysis, 282
Cabbage leaf, dialkyl ether phospholipid, liquid crystal, phospholipase D,phospholipid, 1362
Cancer, adenine, Ehrlich ascites tumor, guanine, purine nucleotide; catabolism, mouse, 959
Cancer, amino acid sequence, human, immunochemistry, immunoglobulin, myeloma, sulfhydryl group, 900
Cancer, biosynthesis, Ehrlich ascites tumor, ethanolamine, methionine, microsomes, phospholipid biosynthesis, sphingomyelin; mouse, 700
Cancer, glucose, hepatoma, liver, Novikoff hepatoma, nucleotide; metabolism, rat, 686
Cancer, glycoprotein, glycosyltransferase, Golgi apparatus, liver, Morris hepatoma, nucleotide-sugar; rat, 61
Carbamylphosphate synthetase, aspartate transcarbamylase, biosynthesis, enzyme regulation, protein aggregation, pyrimidine biosynthesis, *Saccharomyces cerevisiae*, yeast, 403
Carbohydrate metabolism, amino acid metabolism, enzyme induction; rat, 108
Carbohydrate metabolism, enzyme induction, estrogen, oviduct, progesterone; chick, 201
Carbohydrate metabolism, fungus, oligosaccharide, sugar, *Verticillium dahliae*, 894
Carbon dioxide fixation, alkaloid, biosynthesis, lupanine, *Thermopsis*, 971
Carboxymethylcellulose, aminopeptidase, carboxypeptidase, endopeptidase, enzyme purification, pronase, *Streptomyces griseus*, 1195
Carboxypeptidase, aminopeptidase, carboxymethylcellulose, endopeptidase, enzyme purification, pronase, *Streptomyces griseus*, 1195
Cardiolipin, biosynthesis, glycero-3-phosphate, mitochondria, phospholipid biosynthesis; guinea pig, 1117
Carnitine acetyltransferase, development, fetus, ketogenesis, liver, mitochondria; rat, 599
Carnitine acyltransferase, carnitine palmitoyltransferase, enzyme purification, heart, liver, mitochondria; cow, 941
Carnitine acetyltransferase, development, spermatogenesis, testis; rat, 761
Carnitine palmitoyltransferase, carnitine acyltransferase, enzyme purification, heart, liver, mitochondria; cow, 941
Carnitine palmitoyltransferase, development, fatty acid, heart, mitochondria, oxidation, 1296
Carpet beetle (*Attagenus megatoma*), acid phosphatase, development, phosphatase, 311
Cartilage, binding, chondroitin sulfate, proteoglycan; Ca^{2+}, PO_4^{3-}, 417
Casein, micelles, glycoprotein, lysozyme, protein conformation, rennin, 882
Castration, 11-deoxycorticosterone, intestine, kidney, liver, steroid metabolism, sulfation, sulfokinase; rat, 437
Cell membrane, enzyme purification, *Escherichia coli*, succinate dehydrogenase, 1098
Cellobiose, benzyladenine, epicotyl, gibberellic acid, glucan synthetase, indoleacetic acid, pea, *Pisum sativum*, plant growth hormone, 1326
Cell separation, development, spermatogenesis, testis; rat, 753
Cell wall, lipopolysaccharide, *Neisseria sicca*, sugar; structure, 243
Cephalin, biosynthesis, inositide, lecithin, liver lecithin, phospholipid biosynthesis; rat, 1347
Chalone, liver, mitotic inhibitor, polypeptide, protein purification; rabbit, 1376
Chelidonic acid, biosynthesis, *Chelidonium majus*, *Narcissus incomparibilis*, 412
Chelidonium majus, biosynthesis, chelidonic acid, *Narcissus incomparibilis*, 412
Chemical reactivity, *p*-chloromercuribenzoate, glutathione, 2-mercaptoethanol, muscle, phosphorylase *b*, sulfhydryl group; rabbit, 742

Chemical reactivity, chymotrypsin, N-terminal amino acid, protein conformation, 529
Chloramphenicol, biosynthesis, 3-deoxy-D-*arabino*-heptulosonate-7-phosphate synthetase, enzyme repression, *Streptomyces*, 448
p-Chloromercuribenzoate, chemical reactivity, glutathione, 2-mercaptoethanol, muscle, phosphorylase *b*, sulfhydryl group; rabbit, 742
Chloroplasts, ATPase, bean, coupling factor, etioplasts, *Phaseolus vulgaris*, photophosphorylation, 207
Cholesterol, bilayer structure, e.s.r., lecithin, membrane structure, phospholipid, 614
Cholesterol, cod (*Gadus morhua*), erythrocyte, fatty acid, phospholipid, sterol ester, triglyceride, 873
Cholesterol biosynthesis, biosynthesis, ethyl chlorophenoxyisobutyrate, lipid metabolism, lipoprotein, liver, phospholipid, serum, 903
Cholesterol biosynthesis, biosynthesis, liver, vitamin B_6; rat, 933
Cholesterol metabolism, cholic acid, glycine, conjugation, taurine, vitamin B_6; rat, 1026
Cholesteryl arachidonate, arachidonoyllecithin, lecithin, liver, phospholipid metabolism, plasma; rat, 1005
Cholic acid, cholesterol metabolism, glycine, conjugation, taurine, vitamin B_6; rat, 1026
Chondroitin sulfate, binding, cartilage, proteoglycan; Ca^{2+}, PO_4^{3-}, 417
Chromatin, adrenalectomy, aldosterone, biosynthesis, kidney, RNA biosynthesis; rat, 496
Chromatographic standards, lysine, *N*-methyllysine, protein modification, 1292
Chromone, *Ammi visnaga*, *Angelica archangelica*, biosynthesis, coumarin, furanochromone biosynthesis, khellin, 964
Chymotrypsin, affinity chromatography, moose (*Alces alces*), pancreas, protease, Sepharose, serine protease, 119
Chymotrypsin, binding, proflavin, 28
Chymotrypsin, chemical reactivity, N-terminal amino acid, protein conformation, 529
Chymotrypsin, enzyme kinetics, substrate specificity, 210
Chymotrypsin, phenylalanine esters, substrate specificity, 877
Chymotrypsin$_A$, disulfide bridge, dithiothreitol, protein structure, 1233
Chymotrypsin-P, amino acid composition, protein conformation; molecular weight, 999
Circular dichroism, amino acid composition, cysteine, gluten, infrared spectrum, o.r.d., serum albumin, wheat; *S*-β-(4-pyridylethyl)-L-cysteine, 1042
Circular dichroism, binding, conalbumin, copper, egg white, iron, protein conformation; hen, 1071
Circular dichroism, crystallin, dogfish, lens, o.r.d., protein conformation, 426
Citraconic anhydride, diagonal paper electrophoresis, histidyl peptide, paper electrophoresis, 1225
Cod (*Gadus morhua*), cholesterol, erythrocyte, fatty acid, phospholipid, sterol ester, triglyceride, 873
Coenzymes, energy metabolism, muscle, pyridine nucleotide, vitamin E deficiency; rat, skeletal muscle, 1202
Cofactor analogue, diphosphonoglyceric acid, hemoglobin, phosphoglyceric acid mutase, synthesis, 300
CO_2 fixation (see Carbon dioxide fixation)
Cold acclimation, adenylcyclase, adipose tissue, noradrenaline; rat, 802
Collagen, cystine, histone, protein biosynthesis, selenium, ^{75}selenium incorporation; chick, guinea pig, 468
Colostrum, antibodies, immunoadsorption, immunoglobulin, protein purification; DNP-specific antibodies, cow, 522
Comparative biochemistry, acetylation, human, lysozyme, nitration, protein modification, tyrosine, 816
Comparative biochemistry, adenine, human, nucleoside, purine nucleoside phosphorylase; cow, rat, 1050
Comparative biochemistry, deoxycholate, human, pancreas, phospholipase, phospholipid, snake venom (*Crotalus adamanteus*); cow, 776
Comparative biochemistry, enzyme regulation, *Escherichia coli*, fatty acid, fatty acid synthetase, *Halobacterium cutirubrum*, 953
Comparative biochemistry, human, lipoprotein, pancreas, phospholipase, snake venom (*Crotalus adamanteus*); cow, 785
Conalbumin, binding, circular dichroism, copper, egg white, iron, protein conformation; hen, 1071
Conjugation, cholesterol metabolism, cholic acid, glycine, taurine, vitamin B_6; rat, 1026
Conjugation, α-hydroxy steroid, steroid metabolism; 15α-hydroxy steroid, rabbit, 368
Copper, binding, circular dichroism, conalbumin, egg white, iron, protein conformation; hen, 1071
Copper, cupric ion, divalent metal ions, endotoxin, human, platelet aggregation, serotonin; pig, rabbit, 1236
Coumarin, *Ammi visnaga*, *Angelica archangelica*, biosynthesis, chromone, furanochromone biosynthesis, khellin, 964
Coumarin, liver, microsomes; metabolism, rat, 177
Coupling factor, ATPase, bean chloroplasts, etioplasts, *Phaseolus vulgaris*, photophosphorylation, 207
Cross-linking, alkylation, DNA, guanine, HeLa cells, human, mustard gas, 332
Crystallin, circular dichroism, dogfish, lens, o.r.d., protein conformation, 426
Cupric ion, copper, divalent metal ions, endotoxin, human, platelet aggregation, serotonin; pig, rabbit, 1236
Curare binding, acetylcholinesterase, alkylation, bromide, decamethonium, electric eel, indophenyl acetate, tubocurarine, 1131
β-Cyanoalanine, biosynthesis, cysteine, vetch, *Vicia sativa*, 799
Cystathionine synthase, enzyme kinetics, enzyme purification, liver; rat, 484
Cysteine, amino acid composition, circular dichroism, gluten, infrared spectrum, o.r.d., serum albumin, wheat; *S*-β-(4-pyridylethyl)-L-cysteine, 1042
Cysteine, biosynthesis, β-cyanoalanine, vetch, *Vicia sativa*, 799
Cystine, collagen, histone, protein biosynthesis, selenium, ^{75}selenium incorporation; chick, guinea pig, 468
Cytidine, erythrocyte, human, inosine, nucleoside transport, uridine; inhibition, 271
Cytidine diphosphate diglyceride, diphytanyl ether analogues, phosphatidic acid, synthesis, 275
Cytochrome 553, absorption spectrum, alga, electron carrier, *Monochrysis lutheri*, photosynthesis, protein purification, 641
Cytochrome *c*, absorption spectrum, electron carrier, ferricytochrome *c*, heart, horse, o.r.d., protein conformation, 441
Cytochrome *c*, electron carrier, e.s.r., ferricytochrome *c*, heart, horse, 328
Cytochrome *c*, electron carrier, e.s.r., ferricytochrome *c*, temperature dependence; tuna heart, 695
Cytochrome *c*, enzyme purification, ferricyanide, *Ferrobacillus ferrooxidans*, sulfite oxidase, *Thiobacillus ferrooxidans*, 1125
Cytochromes, electron carrier, energy metabolism, NADH dehydrogenase, oxidative phosphorylation, *Pseudomonas saccharophila*, succinate dehydrogenase, 1175
Cytochromes, *Escherichia coli*, NADH oxidase, respiration, ultraviolet light, 492

Decamethonium, acetylcholinesterase, alkylation, bromide, curare binding, electric eel, indophenyl acetate, tubocurarine, 1131
Deoxycholate, comparative biochemistry, human, pancreas, phospholipase, phospholipid, snake venom (*Crotalus adamanteus*); cow, 776
11-Deoxycorticosterone, castration, intestine, kidney, liver, steroid metabolism, sulfation, sulfokinase; rat, 437
2-Deoxyglucose, glucose dehydrogenase, *Pseudomonas aeruginosa*, sugar transport, 606
3-Deoxy-D-*arabino*-heptulosonate-7-phosphate synthetase, affinity chromatography, enzyme kinetics, enzyme purification, enzyme regulation, feedback inhibition, isoenzymes, *Saccharomyces cerevisiae*, yeast; phenylalanine, tyrosine, 1015
3-Deoxy-D-*arabino*-heptulosonate-7-phosphate synthetase, biosynthesis, chloramphenicol, enzyme repression, *Streptomyces*, 448
Deoxyribonuclease, DNA, intestine, subcellular localization; rat, 38
Development, *N*-acetylglucosaminyltransferase, glycosyltransferase, Golgi apparatus, liver, membrane, ovary, serum; hen, 671
Development, acid phosphatase, carpet beetle (*Attagenus megatoma*), phosphatase, 311
Development, acriflavin, biosynthesis, ethidium bromide, nerve, RNA biosynthesis; chick, 463
Development, adenylcyclase, adrenaline, enzyme induction, glucagon, liver; rat, 85
Development, amino acid metabolism, bean, *Phaseolus vulgaris*, transaminase, 709
Development, γ-aminobutyric acid, brain, hyperbaric oxygen; chick, 543
Development, biosynthesis, egg, *Limnaea*, protein biosynthesis, RNA biosynthesis, 926
Development, biosynthesis, estrogen, ovalbumin, oviduct, progesterone, protein biosynthesis; chick, 348
Development, biosynthesis, fatty acid biosynthesis, liver, unsaturated fatty acid; chick embryo, 563
Development, biosynthesis, nerve, RNA biosynthesis; chick, 320
Development, brain, DNA polymerase, liver, subcellular distribution; rat, 1285
Development, brain, DNA, DNA polymerase, liver, subcellular fractionation; rat, 978
Development, carnitine acetyltransferase, fetus, ketogenesis, liver, mitochondria; rat, 599
Development, carnitine acetyltransferase, spermatogenesis, testis; rat, 761
Development, carnitine palmitoyltransferase, fatty acid, heart, mitochondria, oxidation, 1296
Development, cell separation, spermatogenesis, testis; rat, 753
Development, DNA, DNA polymerase, salmon (*Oncorhynchus nerka*), testis, 19
Development, DNA, locust (*Schistocerca gregaria*), mitochondria, muscle, sarcosomes, 357
Development, follicle-stimulating hormone, hypophysectomy, luteinizing hormone, spermatogenesis, testis, testosterone; rat, 768
Diagonal paper electrophoresis, citraconic anhydride, histidyl peptide, paper electrophoresis, 1225
Dialkyl ether phospholipid, cabbage leaf, liquid crystal, phospholipase D, phospholipid, 1362
Dicarboxylic acid, *Bryophyllum calycinum*, leaf, tricarboxylic acid; analysis, 282
2,4-Dichlorophenol, horseradish peroxidase, indole-3-acetaldehyde, manganous chloride, oxidation, peroxidase, sodium bisulfite, 162
Diglyceride fractionation, gas–liquid chromatography, organosilicone polyester, triglyceride structure, 1245
Dihydrouridine, n.m.r., transfer RNA; molecular conformation, 1279
2,3-Diphosphoglycerate, enzyme purification, muscle, phosphoglyceromutase, sheep, 1183
Diphosphonoglyceric acid, cofactor analogue, hemoglobin, phosphoglyceric acid mutase, synthesis, 300
Diphytanyl ether analogues, cytidine diphosphate diglyceride, phosphatidic acid, synthesis, 275
Dissociation factor, biosynthesis, liver, protein biosynthesis, ribosomes; rat, 1301
Disulfide bridge, amino acid sequence, protease, serine protease, *Streptomyces griseus*, 548
Disulfide bridge, chymotrypsin$_{\alpha}$, dithiothreitol, protein structure, 1233
Dithiothreitol, chymotrypsin$_{\alpha}$, disulfide bridge, protein structure, 1233
Divalent metal ions, actomyosin, autoxidation, muscle, sulfhydryl group; rabbit, 1264
Divalent metal ions, copper, cupric ion, endotoxin, human, platelet aggregation, serotonin; pig, rabbit, 1236
DNA, alkylation, cross-linking, guanine, HeLa cells, human, mustard gas, 332
DNA, binding, estradiol, horseradish peroxidase, peroxidase, RNA, uterus; rat, 885
DNA, binding, hybridization, nitrocellulose filters, 631
DNA, brain, development, DNA polymerase, liver, subcellular fractionation; rat, 978
DNA, deoxyribonuclease, intestine, subcellular localization; rat, 38
DNA, development, DNA polymerase, salmon (*Oncorhynchus nerka*), testis, 19
DNA, development, locust (*Schistocerca gregaria*), mitochondria, muscle, sarcosomes, 357
DNA polymerase, brain, development, DNA, liver, subcellular fractionation; rat, 978
DNA polymerase, development, DNA, salmon (*Oncorhynchus nerka*), testis, 19
DNA polymerase, brain, development, liver, subcellular distribution; rat, 1285
Dogfish, circular dichroism, crystallin, lens, o.r.d., protein conformation, 426
Dolphin (*Tursiops truncatus*), fatty acid composition, lipid composition, milk, triglyceride, 1172
Drosophila melanogaster, enzyme purification, sucrase, trehalase, 1155

Egg, biosynthesis, development, *Limnaea*, protein biosynthesis, RNA biosynthesis, 926
Egg white, binding, circular dichroism, conalbumin, copper, iron, protein conformation; hen, 1071
Egg yolk, glycerophosphatide, hydroxylapatite, lipoprotein, thin-layer chromatography, triglyceride, 51
Egg yolk, hydroxylapatite, lipoprotein, thin-layer chromatography, 44
Ehrlich ascites tumor, adenine, cancer, guanine, purine nucleotide; catabolism, mouse, 959
Ehrlich ascites tumor, biosynthesis, cancer, ethanolamine, methionine, microsomes, phospholipid biosynthesis, sphingomyelin; mouse, 700
Electric eel, acetylcholinesterase, alkylation, bromide, curare binding, decamethonium, indophenyl acetate, tubocurarine, 1131
Electron carrier, absorption spectrum, alga, cytochrome 553, *Monochrysis lutheri*, photosynthesis, protein purification, 641
Electron carrier, absorption spectrum, cytochrome *c*, ferricytochrome *c*, heart, horse, o.r.d., protein conformation, 441
Electron carrier, antimycin A, enzyme kinetics, heart, succinate-ferricyanide reductase; cow, 936
Electron carrier, cytochrome *c*, e.s.r., ferricytochrome *c*, heart, horse, 328
Electron carrier, cytochrome *c*, e.s.r., ferricytochrome *c*, temperature dependence; tuna heart, 695

Electron carrier, cytochromes, energy metabolism, NADH dehydrogenase, oxidative phosphorylation, *Pseudomonas saccharophila*, succinate dehydrogenase, 1175
Electron transfer (see Electron carrier)
Endopeptidase, aminopeptidase, carboxymethylcellulose, enzyme purification, pronase, *Streptomyces griseus*, 1195
Endotoxin, copper, cupric ion, divalent metal ions, human, platelet aggregation, serotonin; pig, rabbit, 1236
Energy metabolism, coenzymes, muscle, pyridine nucleotide, vitamin E deficiency; rat, skeletal muscle, 1202
Energy metabolism, cytochromes, electron carrier, NADH dehydrogenase, oxidative phosphorylation, *Pseudomonas saccharophila*, succinate dehydrogenase, 1175
Enzyme activation, histidine, human, jejunum, kidney, pyruvate kinase; rat, 1105
Enzyme adaptation (see Enzyme induction)
Enzyme biosynthesis, biosynthesis, insulin, liver, realimentation, starvation; rat, 393
Enzyme induction, acid hydrolases, lysosomes, realimentation, starvation; rat, 170
Enzyme induction, adenylcyclase, adrenaline, development, glucagon, liver; rat, 85
Enzyme induction, amino acid metabolism, carbohydrate metabolism; rat, 108
Enzyme induction, carbohydrate metabolism, estrogen, oviduct, progesterone; chick, 201
Enzyme induction, glucocorticoid, hydrocortisone, hypophysectomy, liver, tyrosine aminotransferase; rat, 1357
Enzyme induction, hyaluronidase, hydrocortisone, kidney, subcellular localization; rat, 12
Enzyme inhibition, amino acid composition, amino acid sequence, gastrin, inhibitory polypeptide; pig, 255
Enzyme inhibition, ATPase, brain, microsomes, sodium–potassium–ATPase; divalent cations, rat, 1217
Enzyme kinetics, affinity chromatography, 3-deoxy-D-*arabino*-heptulosonate-7-phosphate synthetase, enzyme purification, enzyme regulation, feedback inhibition, isoenzymes, *Saccharomyces cerevisiae*, yeast; phenylalanine, tyrosine, 1015
Enzyme kinetics, allosteric mechanisms, aspartate transcarbamylase, 581
Enzyme kinetics, allosteric mechanisms, hemoglobin, quasi-equilibrium kinetics, steady-state kinetics, 568
Enzyme kinetics, antimycin A, electron carrier, heart, succinate–ferricyanide reductase; cow, 936
Enzyme kinetics, chymotrypsin, substrate specificity, 210
Enzyme kinetics, cystathionine synthase, enzyme purification, liver; rat, 484
Enzyme kinetics, enzyme–substrate complex, lactoperoxidase, lactoperoxidase–H_2O_2 complex, 1165
Enzyme kinetics, *Helix pomatia*, liver, microsomes, steroid sulfatase, 234
Enzyme purification, affinity chromatography, 3-deoxy-D-*arabino*-heptulosonate-7-phosphate synthetase, enzyme kinetics, enzyme regulation, feedback inhibition, isoenzymes, *Saccharomyces cerevisiae*, yeast; phenylalanine, tyrosine, 1015
Enzyme purification, affinity chromatography, human, plasma, plasminogen; Cohn fraction III, 1055
Enzyme purification, aldolase, isoenzymes, liver; chick, 647
Enzyme purification, aminopeptidase, brain; ox, 676
Enzyme purification, aminopeptidase, carboxymethylcellulose, carboxypeptidase, endopeptidase, pronase, *Streptomyces griseus*, 1195
Enzyme purification, aspartate, aspartyl tRNA synthetase, *Saccharomyces cerevisiae*, transfer RNA, yeast, 822
Enzyme purification, *Bacillus subtilis*, enzyme regulation, inosine-5′-phosphate dehydrogenase; inhibition by GMP, 473
Enzyme purification, carnitine acyltransferase, carnitine palmitoyltransferase, heart, liver, mitochondria; cow, 941
Enzyme purification, cell membrane, *Escherichia coli*, succinate dehydrogenase, 1098
Enzyme purification, cystathionine synthase, enzyme kinetics, liver; rat, 484
Enzyme purification, cytochrome *c*, ferricyanide, *Ferrobacillus ferrooxidans*, sulfite oxidase, *Thiobacillus ferrooxidans*, 1125
Enzyme purification, 2,3-diphosphoglycerate, muscle, phosphoglyceromutase, sheep, 1183
Enzyme purification, *Drosophila melanogaster*, sucrase, trehalase, 1155
Enzyme purification, γ-glutamyl cyclotransferase, liver; pig, 218
Enzyme purification, liver, steroid reductase, subcellular localization, testosterone 5β-reductase; pig, 385
Enzyme regulation, affinity chromatography, 3-deoxy-D-*arabino*-heptulosonate-7-phosphate synthetase, enzyme kinetics, enzyme purification, feedback inhibition, isoenzymes, *Saccharomyces cerevisiae*, yeast; phenylalanine, tyrosine, 1015
Enzyme regulation, aspartate transcarbamylase, biosynthesis, carbamylphosphate synthetase, enzyme regulation, protein aggregation, pyrimidine biosynthesis, *Saccharomyces cerevisiae*, yeast, 403
Enzyme regulation, *Bacillus subtilis*, enzyme purification, inosine-5′-phosphate dehydrogenase; inhibition by GMP, 473
Enzyme regulation, comparative biochemistry, *Escherichia coli*, fatty acid, fatty acid synthetase, *Halobacterium cutirubrum*, 953
Enzyme repression, biosynthesis, chloramphenicol, 3-deoxy-D-*arabino*-heptulosonate-7-phosphate synthetase, *Streptomyces*, 448
Enzyme specificity, penicillopepsin, serum albumin; cow, 1134
Enzyme–substrate complex, enzyme kinetics, lactoperoxidase, lactoperoxidase–H_2O_2 complex, 1165
Epicotyl, benzyladenine, cellobiose, gibberellic acid, glucan synthetase, indoleacetic acid, pea, *Pisum sativum*, plant growth hormone, 1326
Epinephrine (see Adrenaline)
Erythrocyte, biosynthesis, linoleic acid, phospholipid biosynthesis, reticulocyte, subcellular localization; rabbit, 919
Erythrocyte, cholesterol, cod (*Gadus morhua*), fatty acid, phospholipid, sterol ester, triglyceride, 873
Erythrocyte, cytidine, human, inosine, nucleoside transport, uridine; inhibition, 271
Erythrocyte, goose, histone, phosphorylation, 1062
Erythrocyte, human, lipoprotein, membrane lipoprotein, phosphoinositide, phospholipid, 337
Erythrocyte, human, nucleoside transport, thymidine, uridine, 262
Erythrocyte, *p*-nitrobenzyl-6-thioguanosine, nucleoside transport, purine nucleotide metabolism; rabbit, 1251
Escherichia coli, aminopeptidase, exopeptidase, ribosomal exopeptidase, ribosomes, 1340
Escherichia coli, biosynthesis, protein biosynthesis, ribosomal protein, ribosome structure, 1276
Escherichia coli, cell membrane, enzyme purification, succinate dehydrogenase, 1098
Escherichia coli, comparative biochemistry, enzyme regulation, fatty acid, fatty acid synthetase, *Halobacterium cutirubrum*, 953
Escherichia coli, cytochromes, NADH oxidase, respiration, ultraviolet light, 492
Escherichia coli, nucleotidyl transferase, transfer RNA, transfer RNA nucleotidyl transferase, 1307
E.s.r., bilayer structure, cholesterol, lecithin, membrane structure, phospholipid, 614

E.s.r., cytochrome *c*, electron carrier, ferricytochrome *c*, heart, horse, 328
E.s.r., cytochrome *c*, electron carrier, ferricytochrome *c*, temperature dependence; tuna heart, 695
Estradiol, binding, DNA, horseradish peroxidase, peroxidase, RNA, uterus; rat, 885
Estrogen, biosynthesis, development, ovalbumin, oviduct, progesterone, protein biosynthesis; chick, 348
Estrogen, carbohydrate metabolism, enzyme induction, oviduct, progesterone; chick, 201
Ethanol, acetaldehyde, heart, oxidation; guinea pig, metabolism, rat, 227
Ethanolamine, biosynthesis, cancer, Ehrlich ascites tumor, methionine, microsomes, phospholipid biosynthesis, sphingomyelin; mouse, 700
Ethidium bromide, acriflavin, biosynthesis, development, nerve, RNA biosynthesis; chick, 463
Ethyl chlorophenoxyisobutyrate, biosynthesis, cholesterol biosynthesis, lipid metabolism, lipoprotein, liver, phospholipid, serum, 903
Etioplasts, ATPase, bean chloroplasts, coupling factor, *Phaseolus vulgaris*, photophosphorylation, 207
Exopeptidase, aminopeptidase, *Escherichia coli*, ribosomal exopeptidase, ribosomes, 1340

Fatty acid, carnitine palmitoyltransferase, development, heart, mitochondria, oxidation, 1296
Fatty acid, cholesterol, cod (*Gadus morhua*), erythrocyte, phospholipid, sterol ester, triglyceride, 873
Fatty acid, comparative biochemistry, enzyme regulation, *Escherichia coli*, fatty acid synthetase, *Halobacterium cutirubrum*, 953
Fatty acid biosynthesis, adipose tissue, biosynthesis, noradrenaline, pyruvate; rat, 736
Fatty acid biosynthesis, biosynthesis, development, liver, unsaturated fatty acid; chick embryo, 563
Fatty acid composition, dolphin (*Tursiops truncatus*), lipid composition, milk, triglyceride, 1172
Fatty acid synthetase, comparative biochemistry, enzyme regulation, *Escherichia coli*, fatty acid, *Halobacterium cutirubrum*, 953
Feedback inhibition, affinity chromatography, 3-deoxy-D-*arabino*-heptulosonate-7-phosphate synthetase, enzyme kinetics, enzyme purification, enzyme regulation, isoenzymes, *Saccharomyces cerevisiae*, yeast; phenylalanine, tyrosine, 1015
Ferricyanide, cytochrome *c*, enzyme purification, *Ferrobacillus ferrooxidans*, sulfite oxidase, *Thiobacillus ferrooxidans*, 1125
Ferricytochrome *c*, absorption spectrum, cytochrome *c*, electron carrier, heart, horse, o.r.d., protein conformation, 441
Ferricytochrome *c*, cytochrome *c*, electron carrier, e.s.r., heart, horse, 328
Ferricytochrome *c*, cytochrome *c*, electron carrier, e.s.r., temperature dependence; tuna heart, 695
Ferrobacillus ferrooxidans, cytochrome *c*, enzyme purification, ferricyanide, sulfite oxidase, *Thiobacillus ferrooxidans*, 1125
Fetus, carnitine acetyltransferase, development, ketogenesis, liver, mitochondria; rat, 599
Flavin nucleotide biosynthesis, adrenocorticotropin, biosynthesis, kidney, liver; rat, 987
Fluorescent substances, protein hydrolysate, proteolysis, tryptophan, 6
Fluoride stimulation, adenylcyclase, human, lymphocyte, platelet, prostaglandin, 316
Follicle-stimulating hormone, development, hypophysectomy, luteinizing hormone, spermatogenesis, testis, testosterone; rat, 768
Freund's adjuvant, immunotolerance, insulin; guinea pig, 865
Fructose, glucose, mannitol, *Pseudomonas aeruginosa*, sugar transport, transport kinetics, 1031
Fungus, carbohydrate metabolism, oligosaccharide, sugar, *Verticillium dahliae*, 894
Furanochromone biosynthesis, *Ammi visnaga*, *Angelica archangelica*, biosynthesis, chromone, coumarin, khellin, 964
Furanocoumarin biosynthesis, *Angelica archangelica*, biosynthesis, *Heracleum lanatum*, marmesin, *Ruta graveolens*, umbelliferone; stereoisomers, 1213

Galactosyltransferase, glycoprotein, glycosyltransferase, liver, membrane, subcellular localization, 838
Gas–liquid chromatography, diglyceride fractionation, organosilicone polyester, triglyceride structure, 1245
Gas–liquid chromatography, keto acid, monocarboxylic acid, 949
Gastrin, amino acid composition, amino acid sequence, enzyme inhibition, inhibitory polypeptide; pig, 255
Gastrin, amino acid sequence, inhibitory polypeptide; pig, 867
Gibberella fujikuroi, adsorption chromatography, gibberellin, partition chromatography, Sephadex, silicic acid, 185
Gibberella fujikuroi, biosynthesis, gibberellin, 194
Gibberellic acid, benzyladenine, cellobiose, epicotyl, glucan synthetase, indoleacetic acid, pea, *Pisum sativum*, plant growth hormone, 1326
Gibberellin, adsorption chromatography, *Gibberella fujikuroi*, partition chromatography, Sephadex, silicic acid, 185
Gibberellin, biosynthesis, *Gibberella fujikuroi*, 194
Glucagon, adenylcyclase, adrenaline, development, enzyme induction, liver; rat, 85
Glucagon, polypeptide conformation, viscosity; cow, 166
Glucan synthetase, benzyladenine, cellobiose, epicotyl, gibberellic acid, indoleacetic acid, pea, *Pisum sativum*, plant growth hormone, 1326
Glucocorticoid, enzyme induction, hydrocortisone, hypophysectomy, liver, tyrosine aminotransferase; rat, 1357
Glucose, cancer, hepatoma, liver, Novikoff hepatoma, nucleotide; metabolism, rat, 686
Glucose, fructose, mannitol, *Pseudomonas aeruginosa*, sugar transport, transport kinetics, 1031
Glucose dehydrogenase, 2-deoxyglucose, *Pseudomonas aeruginosa*, sugar transport, 606
Glutamate dehydrogenase, pea, *Pisum sativum*, root, 127
γ-Glutamyl cyclotransferase, enzyme purification, liver; pig, 218
Glutathione, chemical reactivity, *p*-chloromercuribenzoate, 2-mercaptoethanol, muscle, phosphorylase *b*, sulfhydryl group; rabbit, 742
Gluten, amino acid composition, circular dichroism, cysteine, infrared spectrum, o.r.d., serum albumin, wheat; *S*-β-(4-pyridylethyl)-L-cysteine, 1042
Glycero-3-phosphate, biosynthesis, cardiolipin, mitochondria, phospholipid biosynthesis; guinea pig, 1117
Glycerophosphatide, egg yolk, hydroxylapatite, lipoprotein, thin-layer chromatography, triglyceride, 51
Glycine, cholesterol metabolism, cholic acid, conjugation, taurine, vitamin B_6; rat, 1026
Glycoprotein, *N*-acetylglucosaminyltransferase, glycosyltransferase, human, serum, UDP-*N*-acetylglucosamine; rat, 297
Glycoprotein, *N*-acetylglucosaminyltransferase, glycosyltransferase, liver, membrane, subcellular localization, 847
Glycoprotein, cancer, glycosyltransferase, Golgi apparatus, liver, Morris hepatoma, nucleotide-sugar; rat, 61
Glycoprotein, casein, micelles, lysozyme, protein conformation, rennin, 882

Glycoprotein, galactosyltransferase, glycosyltransferase, liver, membrane, subcellular localization, 838
Glycoprotein, glycosyltransferase, liver, membrane, sialyltransferase, subcellular localization; pig, 829
Glycosyltransferase, *N*-acetylglucosaminyltransferase, glycoprotein, human, serum, UDP-*N*-acetylglucosamine; rat, 297
Glycosyltransferase, *N*-acetylglucosaminyltransferase, glycoprotein, liver, membrane, subcellular localization, 847
Glycosyltransferase, *N*-acetylglucosaminyltransferase, development, Golgi apparatus, liver, membrane, ovary, serum; hen, 671
Glycosyltransferase, cancer, glycoprotein, Golgi apparatus, liver, Morris hepatoma, nucleotide-sugar; rat, 61
Glycosyltransferase, galactosyltransferase, glycoprotein, liver, membrane, subcellular localization, 838
Glycosyltransferase, glycoprotein, liver, membrane, sialyltransferase, subcellular localization; pig, 829
Golgi apparatus, *N*-acetylglucosaminyltransferase, development, glycosyltransferase, liver, membrane, ovary, serum; hen, 671
Golgi apparatus, cancer, glycoprotein, glycosyltransferase, liver, Morris hepatoma, nucleotide-sugar; rat, 61
Goose, erythrocyte, histone, phosphorylation, 1062
Growth hormone, biosynthesis, hydrocortisone, liver, nuclear RNA, nucleus, RNA; rat, 853
Guanine, adenine, cancer, Ehrlich ascites tumor, purine nucleotide; catabolism, mouse, 959
Guanine, alkylation, cross-linking, DNA, HeLa cells, human, mustard gas, 332

Halobacterium cutirubrum, comparative biochemistry, enzyme regulation, *Escherichia coli*, fatty acid, fatty acid synthetase, 953
Haptoglobin, amidination, binding, Bohr effect, hemoglobin, human, maleylation, oxygen, protein modification, 148
Haptoglobin, binding, haptoglobin fragments, hemoglobin, human, plasmin, 637
Haptoglobin, binding, hemoglobin, human, plasma; mouse, 891
Haptoglobin, binding, hemoglobin, human, plasma; pig, 141
Haptoglobin, human, plasmin, proteolysis, serum, 90
Haptoglobin fragments, binding, haptoglobin, hemoglobin, human, plasmin, 637
Heart, absorption spectrum, cytochrome *c*, electron carrier, ferricytochrome *c*, horse, o.r.d., protein conformation, 441
Heart, acetaldehyde, ethanol, oxidation; guinea pig, metabolism, rat, 227
Heart, antimycin A, electron carrier, enzyme kinetics, succinate–ferricyanide reductase; cow, 936
Heart, carnitine acyltransferase, carnitine palmitoyltransferase, enzyme purification, liver, mitochondria; cow, 941
Heart, carnitine palmitoyltransferase, development, fatty acid, mitochondria, oxidation, 1296
Heart, cytochrome *c*, electron carrier, e.s.r., ferricytochrome *c*, horse, 328
HeLa cells, alkylation, cross-linking, DNA, guanine, human, mustard gas, 332
Helix pomatia, enzyme kinetics, liver, microsomes, steroid sulfatase, 234
Hemoglobin, allosteric mechanisms, enzyme kinetics, quasi-equilibrium kinetics, steady-state kinetics, 568
Hemoglobin, amidination, binding, Bohr effect, haptoglobin, human, maleylation, oxygen, protein modification, 148
Hemoglobin, binding, haptoglobin, haptoglobin fragments, human, plasmin, 637
Hemoglobin, binding, haptoglobin, human, plasma; mouse, 891
Hemoglobin, binding, haptoglobin, human, plasma; pig, 141
Hemoglobin, cofactor analogue, diphosphonoglyceric acid, phosphoglyceric acid mutase, synthesis, 300
Hepatoma, cancer, glucose, liver, Novikoff hepatoma, nucleotide; metabolism, rat, 686
Heracleum lanatum, *Angelica archangelica*, biosynthesis, furanocoumarin biosynthesis, marmesin, *Ruta graveolens*, umbelliferone; stereoisomers, 1213
High-density lipoprotein, human, lipoprotein preparation, plasma, 1076
Histidine, enzyme activation, human, jejunum, kidney, pyruvate kinase; rat, 1105
Histidyl peptide, citraconic anhydride, diagonal paper electrophoresis, paper electrophoresis, 1225
Histone, biosynthesis, γ-irradiation, lymphocyte, nucleus, protein biosynthesis, 456
Histone, collagen, cystine, protein biosynthesis, selenium, ^{75}selenium incorporation; chick, guinea pig, 468
Histone, erythrocyte, goose, phosphorylation, 1062
Homoserine, methionine metabolism, pea, *Pisum sativum*, root; germination, 795
Horse, absorption spectrum, cytochrome *c*, electron carrier, ferricytochrome *c*, heart, o.r.d., protein conformation, 441
Horse, cytochrome *c*, electron carrier, e.s.r., ferricytochrome *c*, heart, 328
Horseradish peroxidase, binding, DNA, estradiol, peroxidase, RNA, uterus; rat, 885
Horseradish peroxidase, 2,4-dichlorophenol, indole-3-acetaldehyde, manganous chloride, oxidation, peroxidase, sodium bisulfite, 162
Human, acetylation, comparative biochemistry, lysozyme, nitration, protein modification, tyrosine, 816
Human, *N*-acetylglucosaminyltransferase, glycoprotein, glycosyltransferase, serum, UDP-*N*-acetylglucosamine; rat, 297
Human, adenine, comparative biochemistry, nucleoside, purine nucleoside phosphorylase; cow, rat, 1050
Human, adenylcyclase, fluoride stimulation, lymphocyte, platelet, prostaglandin, 316
Human, affinity chromatography, enzyme purification, plasma, plasminogen; Cohn fraction III, 1055
Human, aldehyde dehydrogenase, liver, substrate specificity, 1
Human, alkylation, cross-linking, DNA, guanine, HeLa cells, mustard gas, 332
Human, amidination, binding, Bohr effect, haptoglobin, hemoglobin, maleylation, oxygen, protein modification, 148
Human, amino acid sequence, cancer, immunochemistry, immunoglobulin, myeloma, sulfhydryl group, 900
Human, binding, haptoglobin, haptoglobin fragments, hemoglobin, plasmin, 637
Human, binding, haptoglobin, hemoglobin, plasma; mouse, 891
Human, binding, haptoglobin, hemoglobin, plasma; pig, 141
Human, comparative biochemistry, deoxycholate, pancreas, phospholipase, phospholipid, snake venom (*Crotalus adamanteus*); cow, 776
Human, comparative biochemistry, lipoprotein, pancreas, phospholipase, snake venom (*Crotalus adamanteus*); cow, 785
Human, copper, cupric ion, divalent metal ions, endotoxin, platelet aggregation, serotonin; pig, rabbit, 1236
Human, cytidine, erythrocyte, inosine, nucleoside transport, uridine; inhibition, 271

Human, enzyme activation, histidine, jejunum, kidney, pyruvate kinase; rat, 1105
Human, erythrocyte, lipoprotein, membrane lipoprotein, phosphoinositide, phospholipid, 337
Human, erythrocyte, nucleoside transport, thymidine, uridine, 262
Human, haptoglobin, plasmin, proteolysis, serum, 90
Human, high-density lipoprotein, lipoprotein preparation, plasma, 1076
Human, 15α-hydroxyandrostenedione, α-hydroxy steroid, placenta, steroid metabolism, 32
Human, 11β-hydroxysteroid dehydrogenase, placenta, pregn-4-ene C-21-yl steroid sulfate, steroid sulfatase, 1384
Hyaluronidase, enzyme induction, hydrocortisone, kidney, subcellular localization; rat, 12
Hybridization, binding, DNA, nitrocellulose filters, 631
Hydrocortisone, biosynthesis, growth hormone, liver, nuclear RNA, nucleus, RNA; rat, 853
Hydrocortisone, enzyme induction, glucocorticoid, hypophysectomy, liver, tyrosine aminotransferase; rat, 1357
Hydrocortisone, enzyme induction, hyaluronidase, kidney, subcellular localization; rat, 12
15α-Hydroxyandrostenedione, human, α-hydroxy steroid, placenta, steroid metabolism, 32
Hydroxylapatite, egg yolk, glycerophosphatide, lipoprotein, thin-layer chromatography, triglyceride, 51
Hydroxylapatite, egg yolk, lipoprotein, thin-layer chromatography, 44
α-Hydroxy steroid, conjugation, steroid metabolism; 15α-hydroxy steroid, rabbit, 368
α-Hydroxy steroid, human, 15α-hydroxyandrostenedione, placenta, steroid metabolism, 32
11β-Hydroxysteroid dehydrogenase, human, placenta, pregn-4-ene C-21-yl steroid sulfate, steroid sulfatase, 1384
Hymenolepis diminuta, biosynthesis, ^{32}P-phosphate incorporation, phospholipid biosynthesis, tapeworm, 1209
Hyperbaric oxygen, γ-aminobutyric acid, brain, development; chick, 543
Hypophysectomy, development, follicle-stimulating hormone, luteinizing hormone, spermatogenesis, testis, testosterone; rat, 768
Hypophysectomy, enzyme induction, glucocorticoid, hydrocortisone, liver, tyrosine aminotransferase; rat, 1357

Immunoadsorption, antibodies, colostrum, immunoglobulin, protein purification; DNP-specific antibodies, cow, 522
Immunochemistry, aldolase, amino acid composition, isoenzymes, liver; chick, 658
Immunochemistry, amino acid sequence, cancer, human, immunoglobulin, myeloma, sulfhydryl group, 900
Immunoglobulin, amino acid sequence, cancer, human, immunochemistry, myeloma, sulfhydryl group, 900
Immunoglobulin, antibodies, colostrum, immunoadsorption, protein purification; DNP-specific antibodies, cow, 522
Immunoglobulin allotypy, allotypy, physicochemical characterization, protein tertiary structure; rabbit, 1257
Immunotolerance, Freund's adjuvant, insulin; guinea pig, 865
Indole-3-acetaldehyde, 2,4-dichlorophenol, horseradish peroxidase, manganous chloride, oxidation, peroxidase, sodium bisulfite, 162
Indoleacetic acid, benzyladenine, cellobiose, epicotyl, gibberellic acid, glucan synthetase, pea, *Pisum sativum*, plant growth hormone, 1326
Indophenyl acetate, acetylcholinesterase, alkylation, bromide, curare binding, decamethonium, electric eel, tubocurarine, 1131
Infrared spectrum, amino acid composition, circular dochroism, cysteine, gluten, o.r.d., serum albumin, wheat; *S*-β-(4-pyridylethyl)-L-cysteine, 1042
Inhibitory polypeptide, amino acid composition, amino acid sequence, enzyme inhibition; pig, 255
Inhibitory polypeptide, amino acid sequence, gastrin; pig, 867
Inosine, cytidine, erythrocyte, human, nucleoside transport, uridine; inhibition, 271
Inosine-5′-phosphate dehydrogenase, *Bacillus subtilis*, enzyme purification, enzyme regulation; inhibition by GMP, 473
Inositide, biosynthesis, cephalin, lecithin, liver lecithin, phospholipid biosynthesis; rat, 1347
Insulin, biosynthesis, enzyme biosynthesis, liver, realimentation, starvation; rat, 393
Insulin, Freund's adjuvant, immunotolerance; guinea pig, 865
Intestinal mucosa, adenosine aminohydrolase, bone marrow, isopentenyladenosine; chick, cow, 623
Intestine, castration, 11-deoxycorticosterone, kidney, liver, steroid metabolism, sulfation, sulfokinase; rat, 437
Intestine, deoxyribonuclease, DNA, subcellular localization; rat, 38
Iron, binding, circular dichroism, conalbumin, copper, egg white, protein conformation; hen, 1071
γ-Irradiation, biosynthesis, histone, lymphocyte, nucleus, protein biosynthesis, 456
Isocitrate dehydrogenase, NADP$^+$-linked isocitrate dehydrogenase, radiosensitivity, sulfhydryl group, X-irradiation, 510
Isoenzymes, affinity chromatography, 3-deoxy-D-*arabino*-heptulosonate-7-phosphate synthetase, enzyme kinetics, enzyme purification, enzyme regulation, feedback inhibition, *Saccharomyces cerevisiae*, yeast; phenylalanine, tyrosine, 1015
Isoenzymes, aldolase, amino acid composition, immunochemistry, liver; chick, 658
Isoenzymes, aldolase, enzyme purification, liver; chick, 647
Isopentenyladenosine, adenosine aminohydrolase, bone marrow, intestinal mucosa; chick, cow, 623

Jejunum, enzyme activation, histidine, human, kidney, pyruvate kinase; rat, 1105

Kaolinite, solid-supported urease, surface properties, urease, urease adsorption, 1388
Keto acid, gas–liquid chromatography, monocarboxylic acid, 949
Ketogenesis, carnitine acetyltransferase, development, fetus, liver, mitochondria; rat, 599
Khellin, *Ammi visnaga*, *Angelica archangelica*, biosynthesis, chromone, coumarin, furanochromone biosynthesis, 964
Kidney, adrenalectomy, aldosterone, biosynthesis, chromatin, RNA biosynthesis; rat, 496
Kidney, adrenalectomy, aldosterone, biosynthesis, protein biosynthesis, ribosomes; rat, 501
Kidney, adrenocorticotropin, biosynthesis, flavin nucleotide biosynthesis, liver; rat, 987
Kidney, castration, 11-deoxycorticosterone, intestine, liver, steroid metabolism, sulfation, sulfokinase; rat, 437
Kidney, enzyme activation, histidine, human, jejunum, pyruvate kinase; rat, 1105
Kidney, enzyme induction, hyaluronidase, hydrocortisone, subcellular localization; rat, 12
Kidney, nephrosis, ribonuclease, spleen; rat, 535
Kidney, phospholipid, renin inhibitor; pig, structure, 1012

Lactoperoxidase, binding, o.r.d., peroxidase, protein conformation, 666
Lactoperoxidase, enzyme kinetics, enzyme–substrate complex, lactoperoxidase–H_2O_2 complex, 1165
Lactoperoxidase–H_2O_2 complex, enzyme kinetics, enzyme–substrate complex, lactoperoxidase, 1165
Leaf, *Bryophyllum calycinum*, dicarboxylic acid, tricarboxylic acid; analysis, 282
Lecithin, arachidonoyllecithin, cholesteryl arachidonate, liver, phospholipid metabolism, plasma; rat, 1005
Lecithin, bilayer structure, cholesterol, e.s.r., membrane structure, phospholipid, 614
Lecithin, biosynthesis, cephalin, inositide, liver lecithin, phospholipid biosynthesis; rat, 1347
Lens, circular dichroism, crystallin, dogfish, o.r.d., protein conformation, 426
Limnaea, biosynthesis, development, egg, protein biosynthesis, RNA biosynthesis, 926
Linoleic acid, biosynthesis, erythrocyte, phospholipid biosynthesis, reticulocyte, subcellular localization; rabbit, 919
Lipid composition, dolphin (*Tursiops truncatus*), fatty acid composition, milk, triglyceride, 1172
Lipid metabolism, biosynthesis, cholesterol biosynthesis, ethyl chlorophenoxyisobutyrate, lipoprotein, liver, phospholipid, serum, 903
Lipopolysaccharide, cell wall, *Neisseria sicca*, sugar; structure, 243
Lipoprotein, biosynthesis, cholesterol biosynthesis, ethyl chlorophenoxyisobutyrate, lipid metabolism, liver, phospholipid, serum, 903
Lipoprotein, comparative biochemistry, human, pancreas, phospholipase, snake venum (*Crotalus adamanteus*); cow, 785
Lipoprotein, egg yolk, glycerophosphatide, hydroxylapatite, thin-layer chromatography, triglyceride, 51
Lipoprotein, egg yolk, hydroxylapatite, thin-layer chromatography, 44
Lipoprotein, erythrocyte, human, membrane lipoprotein, phosphoinositide, phospholipid, 337
Lipoprotein preparation, high-density lipoprotein, human, plasma, 1076
Liquid crystal, cabbage leaf, dialkyl ether phospholipid, phospholipase D, phospholipid, 1362
Liver, *N*-acetylglucosaminyltransferase, development, glycosyltransferase, Golgi apparatus, membrane, ovary, serum; hen, 671
Liver, *N*-acetylglucosaminyltransferase, glycoprotein, glycosyltransferase, membrane, subcellular localization, 847
Liver, adenylcyclase, adrenaline, development, enzyme induction, glucagon; rat, 85
Liver, adrenocorticotropin, biosynthesis, flavin nucleotide biosynthesis, kidney; rat, 987
Liver, aldehyde dehydrogenase, human, substrate specificity, 1
Liver, aldolase, amino acid composition, immunochemistry, isoenzymes; chick, 658
Liver, aldolase, enzyme purification, isoenzymes; chick, 647
Liver, arachidonoyllecithin, cholesteryl arachidonate, lecithin, phospholipid metabolism, plasma; rat, 1005
Liver, ATP, ATPase, mitochondria, thermodynamics; rat, 721
Liver, biosynthesis, cholesterol biosynthesis, ethyl chlorophenoxyisobutyrate, lipid metabolism, lipoprotein, phospholipid, serum, 903
Liver, biosynthesis, cholesterol biosynthesis, vitamin B_6; rat, 933
Liver, biosynthesis, development, fatty acid biosynthesis, unsaturated fatty acid; chick embryo, 563
Liver, biosynthesis, dissociation factor, protein biosynthesis, ribosomes; rat, 1301
Liver, biosynthesis, enzyme biosynthesis, insulin, realimentation, starvation; rat, 393
Liver, biosynthesis, growth hormone, hydrocortisone, nuclear RNA, nucleus, RNA; rat, 853
Liver, biosynthesis, polysomes, protein biosynthesis, starvation; rat, 1150
Liver, brain, development, DNA, DNA polymerase, subcellular fractionation; rat, 978
Liver, brain, development, DNA polymerase, subcellular distribution; rat, 1285
Liver, cancer, glucose, hepatoma, Novikoff hepatoma, nucleotide; metabolism, rat, 686
Liver, cancer, glycoprotein, glycosyltransferase, Golgi apparatus, Morris hepatoma, nucleotide-sugar; rat, 61
Liver, carnitine acetyltransferase, development, fetus, ketogenesis, mitochondria; rat, 599
Liver, carnitine acyltransferase, carnitine palmitoyltransferase, enzyme purification, heart, mitochondria; cow, 941
Liver, castration, 11-deoxycorticosterone, intestine, kidney, steroid metabolism, sulfation, sulfokinase; rat, 437
Liver, chalone, mitotic inhibitor, polypeptide, protein purification; rabbit, 1376
Liver, coumarin, microsomes; metabolism, rat, 177
Liver, cystathionine synthase, enzyme kinetics, enzyme purification; rat, 484
Liver, enzyme induction, glucocorticoid, hydrocortisone, hypophysectomy, tyrosine aminotransferase; rat, 1357
Liver, enzyme kinetics, *Helix pomatia*, microsomes, steroid sulfatase, 234
Liver, enzyme purification, γ-glutamyl transferase; pig, 218
Liver, enzyme purification, steroid reductase, subcellular localization, testosterone 5β-reductase; pig, 385
Liver, galactosyltransferase, glycoprotein, glycosyltransferase, membrane, subcellular localization, 838
Liver, glycoprotein, glycosyltransferase, membrane, sialyltransferase, subcellular localization; pig, 829
Liver, menadione, mitochondria, sphingomyelin synthetase, sulfhydryl reagents; chick, rat, 306
Liver, methionine, phosphatidylcholine; rat, 71
Liver lecithin, biosynthesis, cephalin, inositide, lecithin, phospholipid biosynthesis; rat, 1347
Locust (*Schistocerca gregaria*), development, DNA, mitochondria, muscle, sarcosomes, 357
Lupanine, alkaloid, biosynthesis, carbon dioxide fixation, *Thermopsis*, 971
Luteinizing hormone, development, follicle-stimulating hormone, hypophysectomy, spermatogenesis, testis, testosterone; rat, 768
Lymphocyte, adenylcyclase, fluoride stimulation, human, platelet, prostaglandin, 316
Lymphocyte, biosynthesis, histone, γ-irradiation, nucleus, protein biosynthesis, 456
Lysine, chromatographic standards, *N*-methyllysine, protein modification, 1292
Lysosomes, acid hydrolases, enzyme induction, realimentation, starvation; rat, 170
Lysozyme, acetylation, comparative biochemistry, human, nitration, protein modification, tyrosine, 816
Lysozyme, casein, micelles, glycoprotein, protein conformation, rennin, 882

Maleylation, amidination, binding, Bohr effect, haptoglobin, hemoglobin, human, oxygen, protein modification, 148
Manganous chloride, 2,4-dichlorophenol, horseradish peroxidase, indole-3-acetaldehyde, oxidation, peroxidase, sodium bisulfite, 162

Mannitol, fructose, glucose, *Pseudomonas aeruginosa*, sugar transport, transport kinetics, 1031
Marmesin, *Angelica archangelica*, biosynthesis, furanocoumarin biosynthesis, *Heracleum lanatum*, *Ruta graveolens*, umbelliferone; stereoisomers, 1213
Mass spectrometry, brain, tyramine; rat, 993
Membrane, *N*-acetylglucosaminyltransferase, development, glycosyltransferase, Golgi apparatus, liver, ovary, serum; hen, 671
Membrane, *N*-acetylglucosaminyltransferase, glycoprotein, glycosyltransferase, liver, subcellular localization, 847
Membrane, galactosyltransferase, glycoprotein, glycosyltransferase, liver, subcellular localization, 838
Membrane, glycoprotein, glycosyltransferase, liver sialyltransferase, subcellular localization; pig, 829
Membrane lipoprotein, erythrocyte, human, lipoprotein, phosphoinositide, phospholipid, 337
Membrane structure, bilayer structure, cholesterol, e.s.r., lecithin, phospholipid, 614
Menadione, liver, mitochondria, sphingomyelin synthetase, sulfhydryl reagents; chick, rat, 306
2-Mercaptoethanol, chemical reactivity, *p*-chloromercuribenzoate, glutathione, muscle, phosphorylase *b*, sulfhydryl group; rabbit, 742
Methionine, biosynthesis, cancer, Ehrlich ascites tumor, ethanolamine, microsomes, phospholipid biosynthesis, sphingomyelin; mouse, 700
Methionine, liver, phosphatidylcholine; rat, 71
Methionine metabolism, homoserine, pea, *Pisum sativum*, root; germination, 795
N-Methyllysine, chromatographic standards, lysine, protein modification, 1292
O-Methylribose, nucleotide sequence, ribosomal RNA, RNA, *Saccharomyces cerevisiae*, yeast, 431
Micelles, casein, glycoprotein, lysozyme, protein conformation, rennin, 882
Microsomes, aorta, ATPase, muscle; Na^+–K^+ stimulated, rabbit, 376
Microsomes, ATPase, brain, enzyme inhibition, sodium–potassium–ATPase; divalent cations, rat, 1217
Microsomes, biosynthesis, cancer, Ehrlich ascites tumor, ethanolamine, methionine, phospholipid biosynthesis, sphingomyelin; mouse, 700
Microsomes, coumarin, liver; metabolism, rat, 177
Microsomes, enzyme kinetics, *Helix pomatia*, liver, steroid sulfatase, 234
Milk, dolphin (*Tursiops truncatus*), fatty acid composition, lipid composition, triglyceride, 1172
Mitochondria, α-amantin, nucleus, RNA polymerase, subcellular localization; rat, 1395
Mitochondria, ATP, ATPase, liver, thermodynamics; rat, 721
Mitochondria, biosynthesis, cardiolipin, glycero-3-phosphate, phospholipid biosynthesis; guinea pig, 1117
Mitochondria, brain, nucleus, phospholipase, RNA polymerase, subcellular localization; rat, 1318
Mitochondria, carnitine acetyltransferase, development, fetus, ketogenesis, liver; rat, 599
Mitochondria, carnitine acyltransferase, carnitine palmitoyltransferase, enzyme purification, heart, liver; cow, 941
Mitochondria, carnitine palmitoyltransferase, development, fatty acid, heart, oxidation, 1296
Mitochondria, development, DNA, locust (*Schistocerca gregaria*), muscle, sarcosomes, 357
Mitochondria, liver, menadione, sphingomyelin synthetase, sulfhydryl reagents; chick, rat, 306
Mitomycin C, biosynthesis, *Streptomyces verticillatus*, 911
Mitotic inhibitor, chalone, liver, polypeptide, protein purification; rabbit, 1376
Monocarboxylic acid, gas–liquid chromatography, keto acid, 949
Monochrysis lutheri, absorption spectrum, alga, cytochrome 553, electron carrier, photosynthesis, protein purification, 641
Moose (*Alces alces*), affinity chromatography, chymotrypsin, pancreas, protease, Sepharose, serine protease, 119
Morris hepatoma, cancer, glycoprotein, glycosyltransferase, Golgi apparatus, liver, nucleotide-sugar; rat, 61
Muscle, actomyosin, autoxidation, divalent metal ions, sulfhydryl group; rabbit, 1264
Muscle, aldolase, amino acid sequence, sturgeon (*Acipenser fulvescens*), 372
Muscle, aorta, ATPase, microsomes; Na^+–K^+ stimulated, rabbit, 376
Muscle, ATPase, myosin, protein stability, sulfhydryl group, trout; rabbit, 97
Muscle, chemical reactivity, *p*-chloromercuribenzoate, glutathione, 2-mercaptoethanol, phosphorylase *b*, sulfhydryl group; rabbit, 742
Muscle, coenzymes, energy metabolism, pyridine nucleotide, vitamin E deficiency; rat, skeletal muscle, 1202
Muscle, development, DNA, locust (*Schistocerca gregaria*), mitochondria, sarcosomes, 357
Muscle, 2,3-diphosphoglycerate, enzyme purification, phosphoglyceromutase, sheep, 1183
Mustard gas, alkylation, cross-linking, DNA, guanine, HeLa cells, human, 332
Myeloma, amino acid sequence, cancer, human, immunochemistry, immunoglobulin, sulfhydryl group, 900
Myosin, ATPase, muscle, protein stability, sulfhydryl group, trout; rabbit, 97
Myxobacter, ribosomal RNA, ribosomes, ribosome structure; nuclease activity, 1333

NADH dehydrogenase, cytochromes, electron carrier, energy metabolism, oxidative phosphorylation, *Pseudomonas saccharophila*, succinate dehydrogenase, 1175
NADH oxidase, cytochromes, *Escherichia coli*, respiration, ultraviolet light, 492
$NADP^+$-linked isocitrate dehydrogenase, isocitrate dehydrogenase, radiosensitivity, sulfhydryl group, X-irradiation, 510
Narcissus incomparibilis, biosynthesis, chelidonic acid, *Chelidonium majus*, 412
Neisseria sicca, cell wall, lipopolysaccharide, sugar; structure, 243
Nephrosis, kidney, ribonuclease, spleen; rat, 535
Nerve, acriflavin, biosynthesis, development, ethidium bromide, RNA biosynthesis; chick, 463
Nerve, biosynthesis, development, RNA biosynthesis; chick, 320
Nitration, acetylation, comparative biochemistry, human, lysozyme, protein modification, tyrosine, 816
Nitration, protein modification, tetranitromethane, tyrosine, 154
p-Nitrobenzyl-6-thioguanosine, erythrocyte, nucleoside transport, purine nucleotide metabolism; rabbit, 1251
Nitrocellulose filters, binding, DNA, hybridization, 631
N.m.r., dihydrouridine, transfer RNA; molecular conformation, 1279
Noradrenaline, adenylcyclase, adipose tissue, cold acclimation; rat, 802
Noradrenaline, adipose tissue, biosynthesis, fatty acid biosynthesis, pyruvate; rat, 736
Norepinephrine (see Noradrenaline)
Novikoff hepatoma, cancer, glucose, hepatoma, liver, nucleotide; metabolism, rat, 686
N-terminal amino acid, chemical reactivity, chymotrypsin, protein conformation, 529

Nuclear RNA, biosynthesis, growth hormone, hydrocortisone, liver, nucleus, RNA; rat, 853
Nucleoside, adenine, comparative biochemistry, human, purine nucleoside phosphorylase; cow, rat, 1050
Nucleoside transport, cytidine, erythrocyte, human, inosine, uridine; inhibition, 271
Nucleoside transport, erythrocyte, human, thymidine, uridine, 262
Nucleoside transport, erythrocyte, *p*-nitrobenzyl-6-thioguanosine, purine nucleotide metabolism; rabbit, 1251
Nucleotide, acetic anhydride, acid anhydride, acylation, RNA, 730
Nucleotide, alga, nucleotide pool, *Polytoma uvella*, 811
Nucleotide, cancer, glucose, hepatoma, liver, Novikoff hepatoma; metabolism, rat, 686
Nucleotide pool, alga, nucleotide, *Polytoma uvella*, 811
Nucleotide sequence, *O*-methylribose, ribosomal RNA, RNA, *Saccharomyces cerevisiae*, yeast, 431
Nucleotide-sugar, cancer, glycoprotein, glycosyltransferase, Golgi apparatus, liver, Morris hepatoma; rat, 61
Nucleotidyl transferase, *Escherichia coli*, transfer RNA, transfer RNA nucleotidyl transferase, 1307
Nucleus, α-amantin, mitochondria, RNA polymerase, subcellular localization; rat, 1395
Nucleus, biosynthesis, growth hormone, hydrocortisone, liver, nuclear RNA, RNA; rat, 853
Nucleus, biosynthesis, histone, γ-irradiation, lymphocyte, protein biosynthesis, 456
Nucleus, brain, mitochondria, phospholipase, RNA polymerase, subcellular localization; rat, 1318

Octadeca-*trans*-2,*cis*-9,*cis*-12-trienoic acid, attractant, bee, pollen, 251
Oligosaccharide, carbohydrate metabolism, fungus, sugar, *Verticillium dahliae*, 894
O.r.d., absorption spectrum, cytochrome *c*, electron carrier, ferricytochrome *c*, heart, horse, protein conformation, 441
O.r.d., amino acid composition, circular dichroism, cysteine, gluten, infrared spectrum, serum, albumin, wheat; *S*-β-(4-pyridylethyl)-L-cysteine, 1042
O.r.d., binding, lactoperoxidase, peroxidase, protein conformation, 666
O.r.d., circular dichroism, crystallin, dogfish, lens, protein conformation, 426
Organosilicone polyester, diglyceride fractionation, gas–liquid chromatography, triglyceride structure, 1245
Ovalbumin, biosynthesis, development, estrogen, oviduct, progesterone, protein biosynthesis; chick, 348
Ovary, *N*-acetylglucosaminyltransferase, development, glycosyltransferase, Golgi apparatus, liver, membrane, serum; hen, 671
Oviduct, biosynthesis, development, estrogen, ovalbumin, progesterone, protein biosynthesis; chick, 348
Oviduct, carbohydrate metabolism, enzyme induction, estrogen, progesterone; chick, 201
Oxidation, acetaldehyde, ethanol, heart; guinea pig, metabolism, rat, 227
Oxidation, carnitine palmitoyltransferase, development, fatty acid, heart, mitochondria, 1296
Oxidation, 2,4-dichlorophenol, horseradish peroxidase, indole-3-acetaldehyde, manganous chloride, peroxidase, sodium bisulfite, 162
Oxidative phosphorylation, cytochromes, electron carrier, energy metabolism, NADH dehydrogenase, *Pseudomonas saccharophila*, succinate dehydrogenase, 1175
Oxygen, amidination, binding, Bohr effect, haptoglobin, hemoglobin, human, maleylation, protein modification, 148

Pancreas, affinity chromatography, chymotrypsin, moose (*Alces alces*), protease, Sepharose, serine protease, 119
Pancreas, comparative biochemistry, deoxycholate, human, phospholipase, phospholipid, snake venom (*Crotalus adamanteus*); cow, 776
Pancreas, comparative biochemistry, human, lipoprotein, phospholipase, snake venom (*Crotalus adamanteus*); cow, 785
Paper electrophoresis, citraconic anhydride, diagonal paper electrophoresis, histidyl peptide, 1225
Partition chromatography, adsorption chromatography, *Gibberella fujikuroi*, gibberellin, Sephadex, silicic acid, 185
Pea, benzyladenine, cellobiose, epicotyl, gibberellic acid, glucan synthetase, indoleacetic acid, *Pisum sativum*, plant growth hormone, 1326
Pea, glutamate dehydrogenase, *Pisum sativum*, root, 127
Pea, homoserine, methionine metabolism, *Pisum sativum*, root; germination, 795
Penicillopepsin, enzyme specificity, serum albumin; cow, 1134
Pepsin, binding; cow, Na^+ binding, 477
Peroxidase, binding, DNA, estradiol, horseradish peroxidase, RNA, uterus; rat, 885
Peroxidase, binding, lactoperoxidase, o.r.d., protein conformation, 666
Peroxidase, 2,4-dichlorophenol, horseradish peroxidase, indole-3-acetaldehyde, manganous chloride, oxidation, sodium bisulfite, 162
Phaseolus vulgaris, amino acid metabolism, bean, development, transaminase, 709
Phenylalanine esters, chymotrypsin, substrate specificity, 877
Phosphatase, acid phosphatase, carpet beetle (*Attagenus megatoma*), development, 311
^{32}P-Phosphate incorporation, biosynthesis, *Hymenolepis diminuta*, phospholipid biosynthesis, tapeworm, 1209
Phosphatidic acid, cytidine diphosphate diglyceride, diphytanyl ether analogues, synthesis, 275
Phosphatidylcholine, liver, methionine; rat, 71
Phosphoglyceric acid mutase, cofactor analogue, diphosphonoglyceric acid, hemoglobin, synthesis, 300
Phosphoglyceromutase, 2,3-diphosphoglycerate, enzyme purification, muscle, sheep, 1183
Phosphoinositide, erythrocyte, human, lipoprotein, membrane lipoprotein, phospholipid, 337
Phospholipase, brain, mitochondria, nucleus, RNA polymerase, subcellular localization; rat, 1318
Phospholipase, comparative biochemistry, deoxycholate, human, pancreas, phospholipid, snake venom (*Crotalus adamanteus*); cow, 776
Phospholipase, comparative biochemistry, human, lipoprotein, pancreas, snake venom (*Crotalus adamanteus*); cow, 785
Phospholipase D, cabbage leaf, dialkyl ether phospholipid, liquid crystal, phospholipid, 1362
Phospholipid, bilayer structure, cholesterol, e.s.r., lecithin, membrane structure, 614
Phospholipid, biosynthesis, cholesterol biosynthesis, ethyl chlorophenoxyisobutyrate, lipid metabolism, lipoprotein, liver, serum, 903
Phospholipid, cabbage leaf, dialkyl ether phospholipid, liquid crystal, phospholipase D, 1362
Phospholipid, cholesterol, cod (*Gadus morhua*), erythrocyte, fatty acid, sterol ester, triglyceride, 873
Phospholipid, comparative biochemistry, deoxycholate, human, pancreas, phospholipase, snake venom (*Crotalus adamanteus*); cow, 776
Phospholipid, erythrocyte, human, lipoprotein, membrane lipoprotein, phosphoinositide, 337
Phospholipid, kidney, renin inhibitor; pig, structure, 1012
Phospholipid biosynthesis, biosynthesis, cancer, Ehrlich ascites tumor, ethanolamine, methionine, microsomes, sphingomyelin; mouse, 700

Phospholipid biosynthesis, biosynthesis, cardiolipin, glycero-3-phosphate, mitochondria; guinea pig, 1117
Phospholipid biosynthesis, biosynthesis, cephalin, inositide, lecithin, liver lecithin; rat, 1347
Phospholipid biosynthesis, biosynthesis, erythrocyte, linoleic acid, reticulocyte, subcellular localization; rabbit, 919
Phospholipid biosynthesis, biosynthesis, *Hymenolepis diminuta*, ^{32}P-phosphate incorporation, tapeworm, 1209
Phospholipid metabolism, arachidonoyllecithin, cholesteryl arachidonate, lecithin, liver, plasma; rat, 1005
Phosphorylase *b*, chemical reactivity, *p*-chloromercuribenzoate, glutathione, 2-mercaptoethanol, muscle, sulfhydryl group; rabbit, 742
Phosphorylation, erythrocyte, goose, histone, 1062
Photophosphorylation, ATPase, bean, chloroplasts, coupling factor, etioplasts, *Phaseolus vulgaris*, 207
Photosynthesis, absorption spectrum, alga, cytochrome 553, electron carrier, *Monochrysis lutheri*, protein purification, 641
Physiochemical characterization, allotypy, immunoglobulin allotypy, protein tertiary structure; rabbit, 1257
Pisum sativum, benzyladenine, cellobiose, epicotyl, gibberellic acid, glucan synthetase, indoleacetic acid, pea, plant growth hormone, 1326
Pisum sativum, glutamate dehydrogenase, pea, root, 127
Pisum sativum, homoserine, methionine metabolism, pea, root; germination, 795
Placenta, human, 15α-hydroxyandrostenedione, α-hydroxy steroid, steroid metabolism, 32
Placenta, human, 11β-hydroxysteroid dehydrogenase, pregn-4-ene C-21-yl steroid sulfate, steroid sulfatase, 1384
Plant growth hormone, benzyladenine, cellobiose, epicotyl, gibberellic acid, glucan synthetase, indoleacetic acid, pea, *Pisum sativum*, 1326
Plasma, affinity chromatography, enzyme purification, human, plasminogen; Cohn fraction III, 1055
Plasma arachidonoyllecithin, cholesteryl arachidonate, lecithin, liver, phospholipid metabolism; rat, 1005
Plasma, binding, haptoglobin, hemoglobin, human; mouse, 891
Plasma, binding, haptoglobin, hemoglobin, human; pig, 141
Plasma, high-density lipoprotein, human, lipoprotein preparation, 1076
Plasmin, binding, haptoglobin, haptoglobin fragments, hemoglobin, human, 637
Plasmin, haptoglobin, human, proteolysis, serum, 90
Plasminogen, affinity chromatography, enzyme purification, human, plasma; Cohn fraction III, 1055
Platelet, adenylcyclase, fluoride stimulation, human, lymphocyte, prostaglandin, 316
Platelet aggregation, copper, cupric ion, divalent metal ions, endotoxin, human, serotonin; pig, rabbit, 1236
Pollen, allergen, allergy, protein purification, ragweed pollen, 396
Pollen, attractant, bee, octadeca-*trans*-2,*cis*-9,*cis*-12-trienoic acid, 251
Polypeptide, chalone, liver, mitotic inhibitor, protein purification; rabbit, 1376
Polypeptide conformation, glucagon, viscosity; cow, 166
Polysomes, biosynthesis, liver, protein biosynthesis, starvation; rat, 1150
Polytoma uvella, alga, nucleotide, nucleotide pool, 811
Pregn-4-ene C-21-yl steroid sulfate, human, 11β-hydroxysteroid dehydrogenase, placenta, steroid sulfatase, 1384
Pressure jump, protein tertiary structure, relaxation time, serum albumin; cow, 1267
Proflavin, binding, chymotrypsin, 28
Progesterone, biosynthesis, development, estrogen, ovalbumin, oviduct, protein biosynthesis; chick, 348
Progesterone, carbohydrate metabolism, enzyme induction, estrogen, oviduct; chick, 201
Pronase, aminopeptidase, carboxymethylcellulose, carboxypeptidase, endopeptidase, enzyme purification, *Streptomyces griseus*, 1195
Prostaglandin, adenylcyclase, fluoride stimulation, human, lymphocyte, platelet, 316
Protease, affinity chromatography, chymotrypsin, moose (*Alces alces*), pancreas, Sepharose, serine protease, 119
Protease, amino acid sequence, disulfide bridge, serine protease, *Streptomyces griseus*, 548
Protease A, amino acid sequence, *Streptomyces griseus*; peptic peptide, 1083
Protein aggregation, aspartate transcarbamylase, biosynthesis, carbamylphosphate synthetase, enzyme regulation, pyrimidine biosynthesis, *Saccharomyces cerevisiae*, yeast, 403
Protein biosynthesis, adrenalectomy, aldosterone, biosynthesis, kidney, ribosomes; rat, 501
Protein biosynthesis, biosynthesis, development, egg, *Limnaea*, RNA biosynthesis, 926
Protein biosynthesis, biosynthesis, dissociation factor, liver, ribosomes; rat, 1301
Protein biosynthesis, biosynthesis, development, estrogen, ovalbumin, oviduct, progesterone; chick, 348
Protein biosynthesis, biosynthesis, *Escherichia coli*, ribosomal protein, ribosome structure, 1276
Protein biosynthesis, biosynthesis, histone, γ-irradiation, lymphocyte, nucleus, 456
Protein biosynthesis, biosynthesis, liver, polysomes, starvation; rat, 1150
Protein biosynthesis, collagen, cystine, histone, selenium, ^{75}selenium incorporation; chick, guinea pig, 468
Protein conformation, amino acid composition, chymotrypsin-P; molecular weight, 999
Protein conformation, binding, circular dichroism, conalbumin, copper, egg white, iron; hen, 1071
Protein conformation, casein, micelles, glycoprotein, lysozyme, rennin, 882
Protein conformation, chemical reactivity, chymotrypsin, N-terminal amino acid, 529
Protein conformation, absorption spectrum, cytochrome *c*, electron carrier, ferricytochrome *c*, heart, horse, o.r.d., 441
Protein conformation, binding, lactoperoxidase, o.r.d., peroxidase, 666
Protein conformation, circular dichroism, crystallin, dogfish, lens, o.r.d., 426
Protein determination, biuret, sucrose, 139
Protein hydrolysate, fluorescent substances, proteolysis, tryptophan, 6
Protein modification, acetylation, comparative biochemistry, human, lysozyme, nitration, tyrosine, 816
Protein modification, amidination, binding, Bohr effect, haptoglobin, hemoglobin, human, maleylation, oxygen, 148
Protein modification, chromatographic standards, lysine, *N*-methyllysine, 1292
Protein modification, nitration, tetranitromethane, tyrosine, 154
Protein modification, reaction mechanism, trypsin, 516
Protein purification, absorption spectrum, alga, cytochrome 553, electron carrier, *Monochrysis lutheri*, photosynthesis, 641
Protein purification, allergen, allergy, pollen, ragweed pollen, 396
Protein purification, antibodies, colostrum, immunoadsorption, immunoglobulin; DNP-specific antibodies, cow, 522

Protein purification, chalone, liver, mitotic inhibitor, polypeptide; rabbit, 1376
Protein stability, ATPase, muscle, myosin, sulfhydryl group, trout; rabbit, 97
Protein structure, chymotrypsin$_\alpha$, disulfide bridge, dithiothreitol, 1233
Protein tertiary structure, allotypy, immunoglobulin allotypy, physicochemical characterization; rabbit, 1257
Protein tertiary structure, pressure jump, relaxation time, serum albumin; cow, 1267
Proteoglycan, binding, cartilage, chondroitin sulfate; Ca^{2+}, PO_4^{3-}, 417
Proteolysis, fluorescent substances, protein hydrolysate, tryptophan, 6
Proteolysis, haptoglobin, human, plasmin, serum, 90
Proton magnetic resonance (see N.m.r.)
Pseudomonas aeruginosa, 2-deoxyglucose, glucose dehydrogenase, sugar transport, 606
Pseudomonas aeruginosa, fructose, glucose, mannitol, sugar transport, transport kinetics, 1031
Pseudomonas saccharophila, cytochromes, electron carrier, energy metabolism, NADH dehydrogenase, oxidative phosphorylation, succinate dehydrogenase, 1175
Purine nucleoside phosphorylase, adenine, comparative biochemistry, human, nucleoside; cow, rat, 1050
Purine nucleotide, adenine, cancer, Ehrlich ascites tumor, guanine; catabolism, mouse, 959
Purine nucleotide metabolism, erythrocyte, *p*-nitrobenzyl-6-thioguanosine, nucleoside transport; rabbit, 1251
Pyridine nucleotide, coenzymes, energy metabolism, muscle, vitamin E deficiency; rat, skeletal muscle, 1202
Pyrimidine biosynthesis, aspartate transcarbamylase, biosynthesis, carbamylphosphate synthetase, enzyme regulation, protein aggregation, *Saccharomyces cerevisiae*, yeast, 403
Pyruvate, adipose tissue, biosynthesis, fatty acid biosynthesis, noradrenaline; rat, 736
Pyruvate kinase, enzyme activation, histidine, human, jejunum, kidney; rat, 1105

Quasi-equilibrium kinetics, allosteric mechanisms, enzyme kinetics, hemoglobin, steady-state kinetics, 568

Radiosensitivity, isocitrate dehydrogenase, $NADP^+$-linked isocitrate dehydrogenase, sulfhydryl group, X-irradiation, 510
Ragweed pollen, allergen, allergy, pollen, protein purification, 396
Reaction mechanism, protein modification, trypsin, 516
Realimentation, acid hydrolases, enzyme induction, lysosomes, starvation: rat, 170
Realimentation, biosynthesis, enzyme biosynthesis, insulin, liver, starvation; rat, 393
Relaxation time, pressure jump, protein tertiary structure, serum albumin; cow, 1267
Renin inhibitor, kidney, phospholipid; pig, structure, 1012
Rennin, casein, micelles, glycoprotein, lysozyme, protein conformation, 882
Respiration, cytochromes, *Escherichia coli*, NADH oxidase, ultraviolet light, 492
Reticulocyte, biosynthesis, erythrocyte, linoleic acid, phospholipid biosynthesis, subcellular localization; rabbit, 919
Ribonuclease, kidney, nephrosis, spleen; rat, 535
Ribosomal exopeptidase, aminopeptidase, *Escherichia coli*, exopeptidase, ribosomes, 1340
Ribosomal protein, biosynthesis, *Escherichia coli*, protein biosynthesis, ribosome structure, 1276
Ribosomal RNA, *O*-methylribose, nucleotide sequence, RNA, *Saccharomyces cerevisiae*, yeast, 431
Ribosomal RNA, *Myxobacter*, ribosomes, ribosome structure; nuclease activity, 1333
Ribosomes, adrenalectomy, aldosterone, biosynthesis, kidney, protein biosynthesis; rat, 501
Ribosomes, aminopeptidase, *Escherichia coli*, exopeptidase, ribosomal exopeptidase, 1340
Ribosomes, biosynthesis, dissociation factor, liver, protein biosynthesis; rat, 1301
Ribosomes, *Myxobacter*, ribosomal RNA, ribosome structure; nuclease activity, 1333
Ribosome structure, biosynthesis, *Escherichia coli*, protein biosynthesis, ribosomal protein, 1276
Ribosome structure, *Myxobacter*, ribosomal RNA, ribosomes; nuclease activity, 1333
RNA, acetic anhydride, acid anhydride, acylation, nucleotide, 730
RNA, binding, DNA, estradiol, horseradish peroxidase, peroxidase, uterus; rat, 885
RNA, biosynthesis, growth hormone, hydrocortisone, liver, nuclear RNA, nucleus; rat, 853
RNA, *O*-methylribose, nucleotide sequence, ribosomal RNA, *Saccharomyces cerevisiae*, yeast, 431
RNA biosynthesis, acriflavin, biosynthesis, development, ethidium bromide, nerve; chick, 463
RNA biosynthesis, adrenalectomy, aldosterone, biosynthesis, chromatin, kidney; rat, 496
RNA biosynthesis, biosynthesis, development, egg, *Limnaea*, protein biosynthesis, 926
RNA biosynthesis, biosynthesis, development, nerve; chick, 320
RNA polymerase, α-amantin, mitochondria, nucleus, subcellular localization; rat, 1395
RNA polymerase, brain, mitochondria, nucleus, phospholipase, subcellular localization; rat, 1318
Root, glutamate dehydrogenase, pea, *Pisum sativum*, 127
Root, homoserine, methionine metabolism, pea, *Pisum sativum*; germination, 795
Ruta graveolens, *Angelica archangelica*, biosynthesis, furanocoumarin biosynthesis, *Heracleum lanatum*, marmesin, umbelliferone; stereoisomers, 1213

Saccharomyces cerevisiae, affinity chromatography, 3-deoxy-D-*arabino*-heptulosonate-7-phosphate synthetase, enzyme kinetics, enzyme purification, enzyme regulation, feedback inhibition, isoenzymes, yeast; phenylalanine, tyrosine, 1015
Saccharomyces cerevisiae, aspartate, aspartyl tRNA synthetase, enzyme purification, transfer RNA, yeast, 822
Saccharomyces cerevisiae, *O*-methylribose, nucleotide sequence, ribosomal RNA, RNA, yeast, 431
Salmon (*Oncorhynchus nerka*), development, DNA, DNA polymerase, testis, 19
Sarcosomes, development, DNA, locust (*Schistocerca gregaria*), mitochondria, muscle, 357
Selenium, collagen, cystine, histone, protein biosynthesis, ^{75}selenium incorporation; chick, guinea pig, 468
^{75}Selenium incorporation, collagen, cystine, histone, protein biosynthesis, selenium; chick, guinea pig, 468
Sephadex, adsorption chromatography, *Gibberella fujikuroi*, gibberellin, partition chromatography, silicic acid, 185
Sepharose, affinity chromatography, chymotrypsin, moose (*Alces alces*), pancreas, protease, serine protease, 119
Serine protease, affinity chromatography, chymotrypsin, moose (*Alces alces*), pancreas, protease, Sepharose, 119
Serine protease, amino acid sequence, disulfide bridge, protease, *Streptomyces griseus*, 548
Serotonin, copper, cupric ion, divalent metal ions, endotoxin, human, platelet aggregation; pig, rabbit, 1236

Serum, *N*-acetylglucosaminyltransferase, development, glycosyltransferase, Golgi apparatus, liver, membrane, ovary; hen, 671
Serum, *N*-acetylglucosaminyltransferase, glycoprotein, glycosyltransferase, human, UDP-*N*-acetylglucosamine; rat, 297
Serum, biosynthesis, cholesterol biosynthesis, ethyl chlorophenoxyisobutyrate, lipid metabolism, lipoprotein, liver, phospholipid, 903
Serum, haptoglobin, human, plasmin, proteolysis, 90
Serum albumin, amino acid composition, circular dichroism, cysteine, gluten, infrared spectrum, o.r.d., wheat; *S*-β-(4-pyridylethyl)-L-cysteine, 1042
Serum albumin, enzyme specificity, penicillopepsin; cow, 1134
Serum albumin, pressure jump, protein tertiary structure, relaxation time; cow, 1267
Sheep, 2,3-diphosphoglycerate, enzyme purification, muscle, phosphoglyceromutase, 1183
Sialyltransferase, glycoprotein, glycosyltransferase, liver, membrane, subcellular localization; pig, 829
Silicic acid, adsorption chromatography, *Gibberella fujikuroi*, gibberellin, partition chromatography, Sephadex, 185
Snake venom (*Crotalus adamanteus*), comparative biochemistry, deoxycholate, human, pancreas, phospholipase, phospholipid; cow, 776
Snake venom (*Crotalus adamanteus*), comparative biochemistry, human, lipoprotein, pancreas, phospholipase; cow, 785
Sodium bisulfite, 2,4-dichlorophenol, horseradish peroxidase, indole-3-acetaldehyde, manganous chloride, oxidation, peroxidase, 162
Sodium–potassium–ATPase, ATPase, brain, enzyme inhibition, microsomes; divalent cations, rat, 1217
Solid-supported urease, kaolinite, surface properties, urease, urease adsorption, 1388
Somatotrophin (see Growth hormone)
Spermatogenesis, carnitine acetyltransferase, development, testis; rat, 761
Spermatogenesis, cell separation, development, testis; rat, 753
Spermotogenesis, development, follicle-stimulating hormone, hypophysectomy, luteinizing hormone, testis, testosterone; rat, 768
Sphingomyelin, biosynthesis, cancer, Ehrlich ascites tumor, ethanolamine, methionine, microsomes, phospholipid biosynthesis; mouse, 700
Sphingomyelin synthetase, liver, menadione, mitochondria, sulfhydryl reagents; chick, rat, 306
Spleen, kidney, nephrosis, ribonuclease; rat, 535
Starvation, acid hydrolases, enzyme induction, lysosomes, realimentation; rat, 170
Starvation, biosynthesis, enzyme biosynthesis, insulin, liver, realimentation; rat, 393
Starvation, biosynthesis, liver, polysomes, protein biosynthesis; rat, 1150
Steady-state kinetics, allosteric mechanisms, enzyme kinetics, hemoglobin, quasi-equilibrium kinetics, 568
Steroid metabolism, castration, 11-deoxycorticosterone, intestine, kidney, liver, sulfation, sulfokinase; rat, 437
Steroid metabolism, conjugation, α-hydroxy steroid; 15α-hydroxy steroid, rabbit, 368
Steroid metabolism, human, 15α-hydroxyandrostenedione, α-hydroxy steroid, placenta, 32
Steroid reductase, enzyme purification, liver, subcellular localization, testosterone 5β-reductase; pig, 385
Steroid sulfatase, enzyme kinetics, *Helix pomatia*, liver, microsomes, 234
Steroid sulfatase, human, 11β-hydroxysteroid dehydrogenase, placenta, pregn-4-ene C-21-yl steroid sulfate, 1384
Steroid sulfate, androstenediol sulfate, blood, testis; pig, 80
Sterol ester, cholesterol, cod (*Gadus morhua*), erythrocyte, fatty acid, phospholipid, triglyceride, 873
Streptomyces, biosynthesis, chloramphenicol, 3-deoxy-D-*arabino*-heptulosonate-7-phosphate synthetase, enzyme repression, 448
Streptomyces griseus, amino acid sequence, disulfide bridge, protease, serine protease, 548
Streptomyces griseus, amino acid sequence, protease A; peptic peptide, 1083
Streptomyces griseus, aminopeptidase, carboxymethylcellulose, carboxypeptidase, endopeptidase, enzyme purification, pronase, 1195
Streptomyces verticillatus, biosynthesis, mitomycin C, 911
Sturgeon (*Acipenser fulvescens*), aldolase, amino acid sequence, muscle, 372
Subcellular distribution, brain, development, DNA polymerase, liver; rat, 1285
Subcellular fractionation, brain, development, DNA, DNA polymerase, liver; rat, 978
Subcellular localization, *N*-acetylglucosaminyltransferase, glycoprotein, glycosyltransferase, liver, membrane, 847
Subcellular localization, α-amantin, mitochondria, nucleus, RNA polymerase; rat, 1395
Subcellular localization, biosynthesis, erythrocyte, linoleic acid, phospholipid biosynthesis, reticulocyte; rabbit, 919
Subcellular localization, brain mitochondria, nucleus, phospholipase, RNA polymerase; rat, 1318
Subcellular localization, deoxyribonuclease, DNA, intestine; rat, 38
Subcellular localization, enzyme induction, hyaluronidase, hydrocortisone, kidney; rat, 12
Subcellular localization, enzyme purification, liver, steroid reductase, testosterone 5β-reductase; pig, 385
Subcellular localization, galactosyltransferase, glycoprotein, glycosyltransferase, liver, membrane, 838
Subcellular localization, glycoprotein, glycosyltransferase, liver, membrane, sialyltransferase; pig, 829
Substrate specificity, aldehyde dehydrogenase, human, liver, 1
Substrate specificity, chymotrypsin, enzyme kinetics, 210
Substrate specificity, chymotrypsin, phenylalanine esters, 877
Succinate dehydrogenase, cell membrane, enzyme purification, *Escherichia coli*, 1098
Succinate dehydrogenase, cytochromes, electron carrier, energy metabolism, NADH dehydrogenase, oxidative phosphorylation, *Pseudomonas saccharophila*, 1175
Succinate-ferricyanide reductase, antimycin A, electron carrier, enzyme kinetics, heart; cow, 936
Sucrase, *Drosophila melanogaster*, enzyme purification, trehalase, 1155
Sucrose, biuret, protein determination, 139
Sugar, carbohydrate metabolism, fungus, oligosaccharide, *Verticillium dahliae*, 894
Sugar, cell wall, lipopolysaccharide, *Neisseria sicca*; structure, 243
Sugar transport, 2-deoxyglucose, glucose dehydrogenase, *Pseudomonas aeruginosa*, 606
Sugar transport, fructose, glucose, mannitol, *Pseudomonas aeruginosa*, transport kinetics, 1031
Sulfation, castration, 11-deoxycorticosterone, intestine, kidney, liver, steroid metabolism, sulfokinase; rat, 437
Sulfhydryl group, actomyosin, autoxidation, divalent metal ions, muscle; rabbit, 1264
Sulfhydryl group, amino acid sequence, cancer, human, immunochemistry, immunoglobulin, myeloma, 900
Sulfhydryl group, ATPase, muscle, myosin, protein stability, trout; rabbit, 97

Sulfhydryl group, chemical reactivity, *p*-chloromercuribenzoate, glutathione, 2-mercaptoethanol, muscle, phosphorylase *b*; rabbit, 742
Sulfhydryl group, isocitrate dehydrogenase, $NADP^+$-linked isocitrate dehydrogenase, radiosensitivity, X-irradiation, 510
Sulfhydryl reagents, liver, menadione, mitochondria, sphingomyelin synthetase; chick, rat, 306
Sulfite oxidase, cytochrome *c*, enzyme purification, ferricyanide, *Ferrobacillus ferrooxidans*, *Thiobacillus ferrooxidans*, 1125
Sulfokinase, castration, 11-deoxycorticosterone, intestine, kidney, liver, steroid metabolism, sulfation; rat, 437
Surface properties, kaolinite, solid-supported urease, urease adsorption, 1388
Synthesis, cofactor analogue, diphosphonoglyceric acid, hemoglobin, phosphoglyceric acid mutase, 300
Synthesis, cytidine diphosphate diglyceride, diphytanyl ether analogues, phosphatidic acid, 275

Tapeworm, biosynthesis, *Hymenolepis diminuta*, ^{32}P-phosphate incorporation, phospholipid biosynthesis, 1209
Taurine, cholesterol metabolism, cholic acid, glycine, conjugation, vitamin B_6; rat, 1026
Temperature dependence, cytochrome *c*, electron carrier, e.s.r., ferricytochrome *c*; tuna heart, 695
Testis, androstenediol sulfate, blood, steroid sulfate; pig, 80
Testis, cell separation, development, spermatogenesis; rat, 753
Testis, carnitine acetyltransferase, development, spermatogenesis; rat, 761
Testis, development, DNA, DNA polymerase, salmon (*Oncorhynchus nerka*), 19
Testis, development, follicle-stimulating hormone, hypophysectomy, luteinizing hormone, spermatogenesis, testosterone; rat, 768
Testosterone, development, follicle-stimulating hormone, hypophysectomy, luteinizing hormone, spermatogenesis, testis; rat, 768
Testosterone 5β-reductase, enzyme purification, liver, steroid reductase, subcellular localization; pig, 385
Tetranitromethane, nitration, protein modification, tyrosine, 154
Thermodynamics, ATP, ATPase, liver, mitochondria; rat, 721
Thermopsis, alkaloid, biosynthesis, carbon dioxide fixation, lupanine, 971
Thin-layer chromatography, egg yolk, glycerophosphatide, hydroxylapatite, lipoprotein, triglyceride, 51
Thin-layer chromatography, egg yolk, hydroxylapatite, lipoprotein, 44
Thiobacillus ferrooxidans, cytochrome *c*, enzyme purification, ferricyanide, *Ferrobacillus ferrooxidans*, sulfite oxidase, 1125
Thymidine, erythrocyte, human, nucleoside transport, uridine, 262
Transaminase, amino acid metabolism, bean, development, *Phaseolus vulgaris*, 709
Transfer RNA, aspartate, aspartyl tRNA synthetase, enzyme purification, *Saccharomyces cerevisiae*, yeast, 822
Transfer RNA, dihydrouridine, n.m.r.; molecular conformation, 1279
Transfer RNA, *Escherichia coli*, nucleotidyl transferase, transfer RNA nucleotidyl transferase, 1307
Transfer RNA nucleotidyl transferase, *Escherichia coli*, nucleotidyl transferase, transfer RNA, 1307
Transport kinetics, fructose, glucose, mannitol, *Pseudomonas aeruginosa*, sugar transport, 1031
Trehalase, *Drosophila melanogaster*, enzyme purification, sucrase, 1155
Tricarboxylic acid, *Bryophyllum calycinum*, dicarboxylic acid, leaf; analysis, 282
Triglyceride, cholesterol, cod (*Gadus morhua*), erythrocyte, fatty acid, phospholipid, sterol ester, 873
Triglyceride, dolphin (*Tursiops truncatus*), fatty acid composition, lipid composition, milk, 1172
Triglyceride, egg yolk, glycerophosphatide, hydroxylapatite, lipoprotein, thin-layer chromatography, 51
Triglyceride structure, diglyceride fractionation, gas–liquid chromatography, organosilicone polyester, 1245
Trout, ATPase, muscle, myosin, protein stability, sulfhydryl group; rabbit, 97
Trypsin, protein modification, reaction mechanism, 516
Tryptophan, fluorescent substances, protein hydrolysate, proteolysis, 6
Tubocurarine, acetylcholinesterase, alkylation, bromide, curare binding, decamethonium, electric eel, indophenyl acetate, 1131
Tyramine, brain, mass spectrometry; rat, 993
Tyrosine, acetylation, comparative biochemistry, human, lysozyme, nitration, protein modification, 816
Tyrosine, nitration, protein modification, tetranitromethane, 154
Tyrosine aminotransferase, enzyme induction, glucocorticoid, hydrocortisone, hypophysectomy, liver; rat, 1357

UDP-*N*-acetylglucosamine, *N*-acetylglucosaminyltransferase, glycoprotein, glycosyltransferase, human, serum; rat, 297
Ultraviolet light, cytochromes, *Escherichia coli*, NADH oxidase, respiration, 492
Umbelliferone, *Angelica archangelica*, biosynthesis, furanocoumarin biosynthesis, *Heracleum lanatum*, marmesin, *Ruta graveolens*; stereoisomers, 1213
Unsaturated fatty acid, biosynthesis, development, fatty acid biosynthesis, liver; chick embryo, 563
Urease, kaolinite, solid-supported urease, surface properties, urease adsorption, 1388
Urease adsorption, kaolinite, solid-supported urease, surface properties, urease, 1388
Uridine, cytidine, erythrocyte, human, inosine, nucleoside transport; inhibition, 271
Uridine, erythrocyte, human, nucleoside transport, thymidine, 262
Uterus, binding, DNA, estradiol, horseradish peroxidase, peroxidase, RNA; rat, 885

Verticillium dahliae, carbohydrate metabolism, fungus, oligosaccharide, sugar, 894
Vetch, biosynthesis, β-cyanoalanine, cysteine, *Vicia sativa*, 799
Vicia sativa, biosynthesis, β-cyanoalanine, cysteine, vetch, 799
Viscosity, glucagon, polypeptide conformation; cow, 166
Vitamin B_6, biosynthesis, cholesterol biosynthesis, liver; rat, 933
Vitamin B_6, cholesterol metabolism, cholic acid, glycine, conjugation, taurine; rat, 1026
Vitamin E deficiency, coenzymes, energy metabolism, muscle, pyridine nucleotide; rat, skeletal muscle, 1202

Wheat, amino acid composition, circular dichroism, cysteine, gluten, infrared spectrum, o.r.d., serum albumin; *S*-β-(4-pyridylethyl)-L-cysteine, 1042

X-irradiation, isocitrate dehydrogenase, $NADP^+$-linked isocitrate dehydrogenase, radiosensitivity, sulfhydryl group, 510

Yeast, affinity chromatography, 3-deoxy-D-*arabino*-heptulosonate-7-phosphate synthetase, enzyme kinetics, enzyme purification, enzyme regulation, feedback inhibition, isoenzymes, *Saccharomyces cerevisiae*; phenylalanine, tyrosine, 1015

Yeast, aspartate, aspartyl tRNA synthetase, enzyme purification, *Saccharomyces cerevisiae*, transfer RNA, 822

Yeast, asparate transcarbamylase, biosynthesis, carbamylphosphate synthetase, enzyme regulation, protein aggregation, pyrimidine biosynthesis, *Saccharomyces cerevisiae*, 403

Yeast, *O*-methylribose, nucleotide sequence, ribosomal RNA, RNA, *Saccharomyces cerevisiae*, 431

INSTRUCTIONS TO AUTHORS

CANADIAN JOURNAL OF BIOCHEMISTRY

The Canadian Journal of Biochemistry publishes, in English or in French, reports of original research. A **paper** reports a completed definitive study. A **note** reports a completed project of smaller scope but may not be used for preliminary publication or as a progress report. A **communication** is intended for the rapid preliminary publication of a particularly novel and significant finding. It should not exceed four double-spaced typewritten pages, including tables and figures, but it must be sufficiently descriptive to allow repetition of the work.

To facilitate publication, authors should check symbols, abbreviations, and technical terms for correctness, consistency, and legibility. It is recommended strongly that one or more colleagues review the manuscript critically before it is submitted.

Delays in publication can be avoided by adherence to the instructions below

All parts of the **manuscript** must be typewritten, double-spaced, on paper 8½ × 11 in. (21.5 × 28 cm) with margins of 1½ in. (4 cm). The first page should contain only the title, authors' names, the institution of origin with its address, and any relevant footnotes. Tables and captions for illustrations should be on separate pages and placed after the list of references, which follows the text. Each page of the manuscript should be numbered, beginning with the title page. **The original typescript and one clear copy of the manuscript are required.**

Spelling should follow that of *Webster's Third New International Dictionary*. **Abbreviations and symbols for units of measurement** should conform to international recommendations such as those of the International Union of Pure and Applied Physics and the International Union of Pure and Applied Chemistry. **Metric units** should be used or metric equivalents given. **Nomenclature and abbreviations** should follow the recommendations of the International Union of Biochemistry, such as those on enzyme nomenclature (Elsevier, 1965) and those issued by the Office of Biochemical Nomenclature (National Academy of Sciences – National Research Council). Abbreviations and contractions of the names of substances, procedures, etc., except for the few that are well established, must be defined the first time they are used. **Symbols and Greek letters** should be typed and superscripts and subscripts appropriately placed or indicated, and they should be explained by marginal notes when necessary.

An **abstract** is required with **every contribution.** It should not exceed 200 words for a paper and should be much shorter for a note or communication. Many abstracting services use authors' abstracts, so they should be prepared carefully.

References in the text should be designated serially by key numbers in parentheses on the line. The **reference list** should be placed at the end of the text. In it the references should be numbered and listed in the order in which they are first cited. In a citation, surnames of authors should precede initials. These should be followed by the name of the periodical abbreviated according to the *American Standard for Periodical Title Abbreviations*, the volume number, the initial page number, and the year. Material in press, with the name of the journal, may be used as a reference. Reports not yet accepted for publication and private communications are not references and must be put in footnotes or in parentheses in the text.

Footnotes should be designated by superscript numbers in serial order, beginning with those on the title page, and each should be placed on the manuscript page where reference to it is made.

Equations must be set up clearly in type. They should be identified by numbers in square brackets placed flush with the left margin. In numbering, no distinction is made between mathematical and chemical equations.

Routine **structural formulas** can be typeset and need not be submitted as figures for direct reproduction, but they must be clearly depicted.

Tables should be numbered consecutively with Arabic numerals. Vertical rules should not be used in them. They should be typed on separate pages and placed after the list of references.

Figures are submitted as line drawings or photographs. Each figure or group of them should be planned to fit, after reduction in size, into one (2¾ in. or 7 cm) or two (5¾ in. or 14.5 cm) columns; the length of a column is 7¾ in. (19.5 cm). Figures should be numbered consecutively with Arabic numerals, and each should have the authors' names and the title of the paper in the lower left corner. **Drawings** should be made with India ink on plain or blue-lined white paper or other suitable material. Any coordinate lines to appear should be ruled in. All lines, symbols, letters, and punctuation must be drawn with drafting instruments, **not typewritten,** of sufficient thickness to be reproduced clearly and of such size that the smallest character will not be less than 1 mm high when reduced. All **terms, abbreviations, and symbols** must **correspond** with those in the **text.** Prints of **photographs** should be made on glossy paper with strong contrasts, trimmed to show only essential features, and mounted on white cardboard with no spaces between those arranged in groups. **All figures are required in triplicate, which for drawings should be the originals and two sets of clear copies.**

Galley proofs are sent to authors for correction. Excessive changes in proofs are charged to them. To expedite the publication of **communications, proofs are not normally sent** to authors.

Supplementary Material — The National Science Library maintains a **depository** in which supplementary material, such as extensive tables and detailed calculations, may be placed. Authors who wish to use it should submit their complete work and mark the part to be considered for deposition. The editors may require that portions of some papers be placed in the depository. When material is deposited, this is indicated by a footnote to an appropriate part of the paper. Photocopies of material in the depository may be obtained from: Depository of Unpublished Data, National Science Library, National Research Council of Canada, Ottawa, Canada K1A 0S2.

Revised November 1970

CANADIAN JOURNALS OF RESEARCH

Guidance for Authors' Secretaries

These notes are designed to help the secretary prepare a manuscript that can easily be processed for the printer in the least possible time.

Much that is useful will be learned by reading the instructions to authors that are printed in the journal and by inspecting the journal itself. It is suggested that these be done first.

Use a copy of the journal as a guide when there is doubt about how certain details should be typed or set out.

General

Type the manuscript on white paper, not flimsy, preferably size 8½ × 11 in. (21.5 × 28 cm), with margins at least 1 in. (2.5 cm) wide to allow for copy marking. For good clear type, use a nylon or carbon ribbon. Use a white correction fluid when changes are made.

Type every part of the manuscript at least double-spaced. This is particularly important for tables, captions for illustrations, footnotes, and the reference list, because they require more copy marking than does the main text.

Do not underline unless the material is to be set in italics. If there is doubt about this, do not underline. Use capital letters only when the letters or words should appear in capitals in the printed paper.

Indent the first line of all paragraphs in the text and of all captions and footnotes.

On the first page type only the title, the authors' names, authors' affiliation, and any relevant footnotes. Some journals also require a few key words or phrases for the subject index to be listed on the title page of the manuscript. Number each page, beginning with the title page.

Be sure that the author checks the finished manuscript. This is particularly important after revision and retyping.

Submit to the editor the top copy and one or two other clear copies of the manuscript, as required by the journal.

Tables

Consult a copy of the journal to see how tables are set up and where the lines in them are placed.

Do not put vertical lines in tables.

Designate footnotes in tables by symbols or superscript small italic letters. Descriptive material not designated by a footnote may be placed under a table as a NOTE.

Type tables on separate pages. Be sure to type double-spaced even if more than one page must be used for one table. Place them after the text.

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Designate footnotes on the title page by superscript Arabic numbers and place them at the bottom of the page.

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Type footnotes for tables under the tables.

Equations, Formulas, and Mathematical Expressions

Some parts of a manuscript may contain much material with superscripts and subscripts, or mathematical expressions, equations, and formulas in which the components must be placed in definite positions in relation to one another. Type these parts triple-spaced. In such cases, too, all of the components, particularly symbols and Greek letters, must be clearly made. If there may be doubt about the identity or proper placing of any of them, explanatory notes should be made in pencil in the margin.

Use a typewriter attachment to make clear and neat symbols.

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Type the reference list, double-spaced, in the style that is used by the journal, using the instructions to authors and examples from the journal as guides.

Check the text to see that all the references in the list are referred to.

RECOMMANDATIONS AUX AUTEURS

CANADIAN JOURNAL OF BIOCHEMISTRY

Le *Canadian Journal of Biochemistry* publie des travaux originaux rédigés en anglais ou en français. Une **publication** contient les résultats d'une étude définitive terminée. Une **note** contient les résultats d'une étude complète mais couvrant un domaine plus restreint et ne doit pas être utilisée pour une publication préliminaire ou pour un rapport d'avancement des travaux. L'objet d'une **communication** est de permettre la publication rapide d'une découverte particulièrement originale et importante. Elle ne doit pas dépasser quatre pages dactylographiées à double interligne, tableaux et figures compris, mais elle doit contenir suffisamment de détails expérimentaux pour que les experts dans le domaine en question puissent reproduire les expériences de l'auteur.

Pour faciliter la publication, les auteurs devront vérifier l'exactitude, l'homogénéité et la clarté des symboles, des abréviations et des termes techniques. Il est fortement recommandé de demander à un ou plusieurs collègues de faire l'analyse critique du manuscrit avant de le soumettre.

Il est possible d'obtenir une publication rapide si l'on suit de près les règles suivantes

Toutes les parties du **manuscrit** doivent être dactylographiées à double interligne sur du papier de 8½ × 11 po (21.5 × 28 cm) en laissant des marges de 1½ po (4 cm). La première page doit comporter uniquement le titre, le nom des auteurs, l'organisme d'origine avec son adresse et tous les renvois utiles. Les tableaux et les légendes des figures doivent être présentés sur des pages séparées placées après la liste des références, elle-même placée à la fin du texte. Chaque page du manuscrit doit être numérotée en commençant par celle du titre. **Le texte original dactylographié et une copie sans surcharge ni rature du manuscrit sont nécessaires.**

L'orthothographe devra être celle donnée par le *Larousse Encyclopédique*. **Les abréviations et les symboles des unités de mesure** doivent être conformes aux recommandations internationales telles que celles données par l'Union internationale de physique pure et appliquée et de l'Union internationale de chimie pure et appliquée. On se servira du **système métrique** ou des équivalents de ce système. **La nomenclature et les abréviations** doivent être conformes aux recommandations de l'Union internationale de biochimie telles que celles sur les enzymes (Elsevier, 1965) et celles publiées par l'Office of Biochemical Nomenclature (National Academy of Sciences – National Research Council). Les abréviations et les contractions de noms de substances, de procédés, etc. à l'exception de celles consacrées par l'usage doivent être définies dès leur introduction. **Les symboles et les lettres grecques** doivent être dactylographiés et les indices supérieurs et inférieurs doivent être correctement placés ou indiqués et devront être expliqués par des annotations marginales chaque fois que cela sera nécessaire.

Tout manuscrit doit être accompagnée d'un **résumé.** Celui-ci ne doit pas dépasser 200 mots pour une publication et doit être plus court s'il s'agit d'une note ou d'une communication. La plupart des organismes publiant des résumés utilisent ceux des auteurs pour leur rédaction, aussi doivent-ils être préparés avec soin.

Un nombre entre parenthèses sur la ligne et choisi suivant un ordre croissant devra être utilisé pour indiquer **les références.** Les références doivent être numérotées et elles doivent être placées à la fin du texte dans le même ordre qu'elles ont été mentionnées dans le texte. Dans les cas de citation, les noms de famille des auteurs doivent précéder leurs initiales qui doivent être suivies: du nom de la revue abrégé conformément aux indications de l'*American Standard for Periodical Title Abbreviations*, du numéro du tome, du numéro de la première page de l'article et de l'année. Les articles sous presse avec le nom de la revue peuvent être utilisés comme références. Les rapports n'étant pas encore acceptés pour publication et les communications privées ne doivent pas figurer au paragraphe des références mais dans un renvoi en bas de page ou dans le texte entre parenthèses.

Les renvois doivent être désignés a l'aide de chiffres placés en indices supérieurs et en ordre croissant, en commençant par ceux de la page du titre et chacun d'eux doit figurer sur la page du manuscrit ou l'on s'y réfère.

Toutes **les équations** doivent être dactylographiées clairement et seront identifiées par des numéros placés dans des parenthèses carrées collées le long de la ligne déterminant la marge gauche. Ces numéros d'identification ne doivent faire l'objet d'aucune distinction entre les équations mathématiques et chimiques.

Les **formules** habituelles **de représentation de la structure chimique des corps** peuvent être composées à la machine et n'ont pas besoin d'être soumises pour examen sous une forme permettant une reproduction directe mais toutes les structures doivent être indiquées clairement.

Les tableaux doivent être numérotés par ordre croissant à l'aide de chiffres arabes; il ne faut pas utiliser de lignes verticales. Ces tableaux doivent être dactylographiés sur des pages séparées et être placés à la suite de la liste de références.

Les figures sont constituées de dessins exécutés à la plume ou de photographies. Chaque figure ou groupe de figures doit être prévue pour aller, après réduction, dans une colonne de 2¾ po ou 7 cm ou deux colonnes de 5¾ po ou 14.5 cm de large; la longeur d'une colonne est de 7¾ po ou 19.5 cm. Les figures doivent être numérotées par ordre croissant en chiffres arabes et chacune devra porter le nom des auteurs et le titre de l'article en bas à gauche. **Les dessins** et **les croquis** doivent être exécutés à l'encre de Chine sur du papier blanc non ligné ou à lignes bleu pâle ou encore sur tout autre matériau approprié. Tous les axes de coordonnées doivent être tracés à la regle. Les lignes, les symboles, les lettres et la ponctuation doivent être portés à l'aide d'instruments de dessinateur et **non pas dactylographiés**; leur dimension doit être telle qu'elle permette une reproduction claire et que le plus petit caractère ait au moins 1 mm de hauteur après la réduction. Tous **les termes, abréviations et symboles** doivent **correspondre** à ceux déjà employés dans **le texte. Les photographies** devront être fortement contrastées, présentées sur papier glacé, réduites à l'essentiel et montées sur carton blanc. Celles présentées en groupe ne seront séparées par aucun espace. **Toutes les figures devront être soumises en trois exemplaires: en ce qui concerne les dessins et les croquis, l'original et deux reproductions sans retouche seront exigés.**

Les épreuves en première sont envoyées aux auteurs pour correction. Les frais occasionnés par des modifications excessives seront à leur charge. En général, afin accélérer la publication des **communications, les épreuves ne sont pas envoyées aux auteurs.**

Documents complémentaires — La Bibliothèque scientifique nationale garde des **archives** où l'on peut déposer des documents complémentaires tels que de grands tableaux et des calculs détaillés. Les auteurs desirant utiliser ces archives devront soumettre leurs travaux au complet et indiquer les parties dont ils demandent le dépôt en archives. Les éditeurs peuvent exiger que des fragments de certains articles soient placées aux archives. Lorsqu'un document ou partie d'un document a été déposé, mention en sera faite par un renvoi à l'endroit approprié sur ledit document. Des photocopies de ces données seront disponibles au Dépôt des données non publiés, Bibliothèque scientifique nationale, Conseil national de recherches du Canada, Ottawa, Canada K1A 0S2.

Texte revisé novembre 1970

CANADIAN JOURNALS OF RESEARCH

Guide pour les secrétaires d'auteurs

Les présentes notes visent à aider la secrétaire à préparer un manuscrit qui peut être rédigé facilement pour l'imprimeur le plus rapidement possible.

Il y a tout avantage à prendre connaissance de la directive aux auteurs données dans la revue, puis à étudier attentivement la revue même. Il est à conseiller d'en agir ainsi en premier lieu.

En cas de doute touchant la façon de dactylographier ou de composer en certaines occasions, guidez-vous sur une copie passée de la revue.

Généralités

Taper le manuscrit sur un papier blanc, et non un papier pelure, mesurant de préférence 8½ × 11 po (21.5 × 28 cm) et laissant une marge d'au moins 1 po (2.5 cm) pour permettre d'y inscrire les indication nécessaires. Pour assurer une impression de frappe satisfaisante, employer un ruban nylon ou carbone. Pour effectuer les modifications qui s'imposent, utiliser un fluide blanc à corriger.

Chaque partie du manuscrit doit être tapée à double-interligne au moins. La chose est particulièrement importante dans le cas des tableaux, légendes d'illustrations, renvois au bas de la page et listes de références bibliographiques, car ils exigent de plus nombreuses indications de copies que le texte principal.

Eviter de souligner, à moins que la matière ne doive être composée en italiques et, en cas d'incertitude sur ce point, s'abstenir de souligner. N'employer la majuscule que là où les lettres ou les mots doivent paraître en majuscules dans la matière imprimée.

Mettre en retrait la première ligne de chaque paragraphe du text, ainsi que de chaque légende et renvoi.

Le première page ne doit donner que le titre du sujet, le nom et l'affiliation de l'auteur ou des auteurs, et tout autre renvoi utile. Il est aussi nécessaire, dans le cas de certaines revues, d'indiquer, sur la page titre du manuscrit, quelques mots-matières ou expressions pour l'index des matières. Numéroter chaque page, débutant avec la page-titre.

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Soumettre à l'éditeur la première copie ou copie du dessus, ainsi qu'une ainsi que deux autres copies très lisibles du manuscrit comme la revue l'exige.

Tableaux

Consulter une copie de la revue pour savoir composer les tableaux et placer les lignes qui y entrent.

Ne pas utiliser de lignes verticales dans les tableaux.

Indiquer les renvois dans les tableaux au moyen de symboles ou de petites lettres italiques en position supérieure. La matière descriptive non-désignée par un renvoi au bas de la page pourrait être placée sous le tableau à titre de NOTE.

Taper les tableaux sur des pages séparées. Voir à utiliser le double-interligne, même si un tableau exige plus d'une seule page. S'assurer que les tableaux suivent le texte.

Illustrations

Joindre au manuscrit expédié le dessin original des illustrations et des photocopies en un ou deux exemplaires comme la revue l'exige.

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Indiquer les renvois à la page-titre au moyen de chiffres arabes en position supérieure, et les inscrire au bas de la page.

Indiquer les renvois au bas de page dans le texte principal au moyen de chiffres arabes en position supérieure, dans l'ordre consécutif observé relativement aux renvois de la page-titre, ou les indiquer au moyen d'une séquence de symboles se répétant de page en page. Insérer ces renvois entre les lignes horizontales solides, tout juste sous la ligne de texte à laquelle chaque renvoi se rapporte.

Taper sous les tableaux concernés les renvois qui s'y rapportent.

Equations, formules et expressions mathématiques

Certaines parties d'un manuscrit peuvent inclure de nombreuses données comportant des chiffres ou lettres en position supérieure et inférieure, ou encore des expressions mathématiques, des équations ou des formules dont les composantes doivent être en position définie par rapport l'une à l'autre. Ces parties doivent être tapées à triple-interligne. De même, en pareil cas, toutes les composantes, et notamment les symboles et lettres grecques, doivent être clairement indiquées. En cas de doute touchant l'identité ou la position appropriée de l'une quelconque de ces composantes, une note explicative doit être inscrite au crayon dans la marge.

Pour obtenir des symboles nets et précis, utiliser l'accessoire prévu annexé à machine à écrire.

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Taper, à double-interligne et de la façon prévue à la revue, la liste de références ou renvois bibliographiques, en se guident sur la directive aux auteurs et les exemples donnés dans la revue.

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